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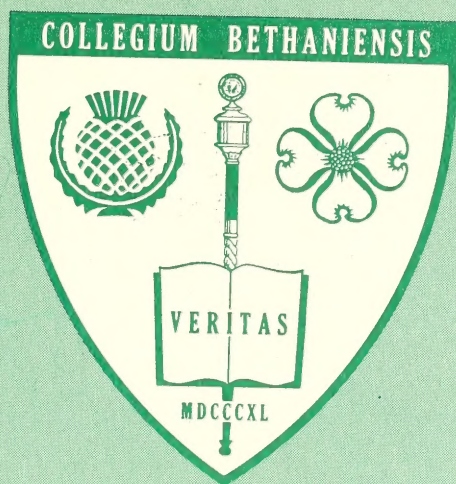
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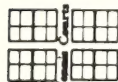
BETHANY COLLEGE BULLETIN

1963-1964

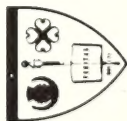
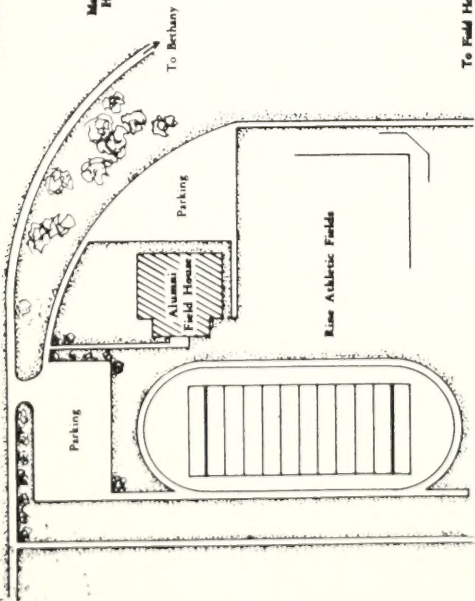
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Girls Athletic Field



Men's Residences



BETHANY COLLEGE CAMPUS
BETHANY, WEST VIRGINIA

While the Bethany College lands include 1600 acres of Allegheny foothills, the above map shows only the thirty acres of developed campus. Not shown on the map are the Campbell Mansion, the old Disciples of Christ meeting house, the College's book store and a Cross golf course and in the town of Bethany the eight fraternity and sorority houses.

COMPLETED STRUCTURES

PROPOSED STRUCTURES



BETHANY
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LIBRARY

BETHANY COLLEGE

Bethany, W. Va.

BETHANY
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LIBRARY

CATALOGUE NUMBER, 1963-68.

1963-1964

THE ONE HUNDRED AND TWENTY-THIRD
ACADEMIC YEAR

CHARTERED AS A COLLEGE
MARCH 2, 1840 BY THE ASSEMBLY OF VIRGINIA
BUFFALO SEMINARY INSTITUTE IN 1818

BETHANY
COLLEGE
LIBRARY

54084

CORRESPONDENCE DIRECTORY

To avoid delay, correspondence should be addressed as indicated below:

General information and matters of over-all college interest and development, address The President

Business transactions, student accounts, deferred payments, purchases, buildings and resources, address The Vice-President

Curriculum and instruction, library, address The Dean of the Faculty

Everything concerned with the admission of new students and information about rooms, tuition and other fees prior to enrollment, address The Director of Admission

Matters related to residence and social adjustment, student activities, student employment, financial aids, job placement, personnel appraisal, address The Dean of Students

Academic reports, transcripts, statements for Selective Service, forms for the Veterans' Administration, teachers' certificates, address The Registrar

Matters concerning church relations, ministerial training, and placement, address The Director of Church Relations

Summer School Information
address The Director of the Summer School

BETHANY COLLEGE BULLETIN

Vol. LVI

September, 1963

No. 7

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Published every month except July and August by Bethany College,
Bethany, W. Va.

CALENDAR

1963-1964

JUNE							JULY							AUGUST							SEPTEMBER								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
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1964-1965

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COLLEGE CALENDAR FOR 1963-1964

FIRST SEMESTER

Sept. 13-14	Friday-Saturday	Faculty Seminar
Sept. 15	Sunday	Residences open to new students
Sept. 16-18	Monday-Wednesday	Orientation and evaluation for new students
Sept. 18	Wednesday	Registration Day for upper classmen
Sept. 19	Thursday 8:00 A.M.	Classes begin for upper classmen
Sept. 19	Thursday	Registration Day, all freshmen and transfer students
Sept. 20	Friday 8:00 A.M.	Classes begin for freshmen and transfer students
Oct. 1	Tuesday 10:00 A.M.	Formal Convocation
Oct. 5	Saturday	Last day for re-adjustment of schedule without penalty and last day for registration for full class program (12 credit hours)
Oct. 12	Saturday	Homecoming
Nov. 16	Saturday, Noon	Mid-semester grades are called
Nov. 20, 21, 22	Wed., Thurs., Fri.	Christian Living Emphasis Week
Nov. 27	Wednesday, Noon	Thanksgiving recess begins
Dec. 2	Monday, 8:00 A.M.	Thanksgiving recess ends
Dec. 3	Tuesday	Election to recognition societies
Dec. 7	Saturday	Modern Language Reading Test
Dec. 9-14	Monday-Saturday	Advance Enrollment for second semester
Dec. 13-14	Friday, Saturday	Graduate Record Examination
Dec. 19	Thursday	All College Christmas Party
Dec. 21	Saturday, Noon	Christmas recess begins
Jan. 6	Monday, 8:00 A.M.	Christmas recess ends
Jan. 21	Tuesday	Reading day for final examinations
Jan. 22-28	Wednesday-Tuesday	Final Examinations for first semester

SECOND SEMESTER

Feb. 2	Sunday	Residences open to new students
Feb. 2-3	Sunday-Monday A.M.	Orientation and evaluation for new students
Feb. 3	Monday	Registration Day, all students
Feb. 4	Tuesday 8:00 A.M.	Classes begin for all students
Feb. 13	Thursday	Formal Convocation
Feb. 18	Tuesday	Last day for re-adjustment of schedule without penalty
Feb. 19	Wednesday	Last day for registration for full class program (12 credit hours)
March 9-13	Monday-Friday	Fine Arts Festival
March 12	Thursday	Founder's Day
March 13	Friday	Election to recognition societies
March 13-14	Friday-Saturday	Sophomore Comprehensive Examination (required of all Sophomores)
March 21	Saturday, Noon	Mid-semester grades are called
March 21	Saturday, Noon	Spring recess begins
March 31	Tuesday 8:00 A.M.	Spring recess ends
April 2	Thursday	Honors Day
April 6-7	Monday-Tuesday	Ministers' Workshop and Oreon E. Scott Lecture
April 25	Saturday	Modern Language Reading Test
April 27-May 2	Monday-Saturday	Advance Enrollment 1964-1965
April 30-May 1	Thursday-Friday	Annual Seminar in Politics
May 2	Saturday	May Morning Breakfast for College Women
May 8, 9, 10	Fri., Sat., Sun.	Spring Festival
May 10	Sunday	Mothers' Day
May 14	Thursday	Reading period begins for seniors
May 25-29	Monday-Friday	Senior Comprehensive Examinations
May 29	Friday	Reading Day for final examinations
May 30-June 5	Saturday-Friday	Final Examinations for second semester
June 4	Thursday	Faculty Meeting
June 5	Friday	Annual Meeting of the Board of Trustees
June 6	Saturday	Alumni Day
June 7	Sunday	123rd Annual Commencement

SUMMER SESSION

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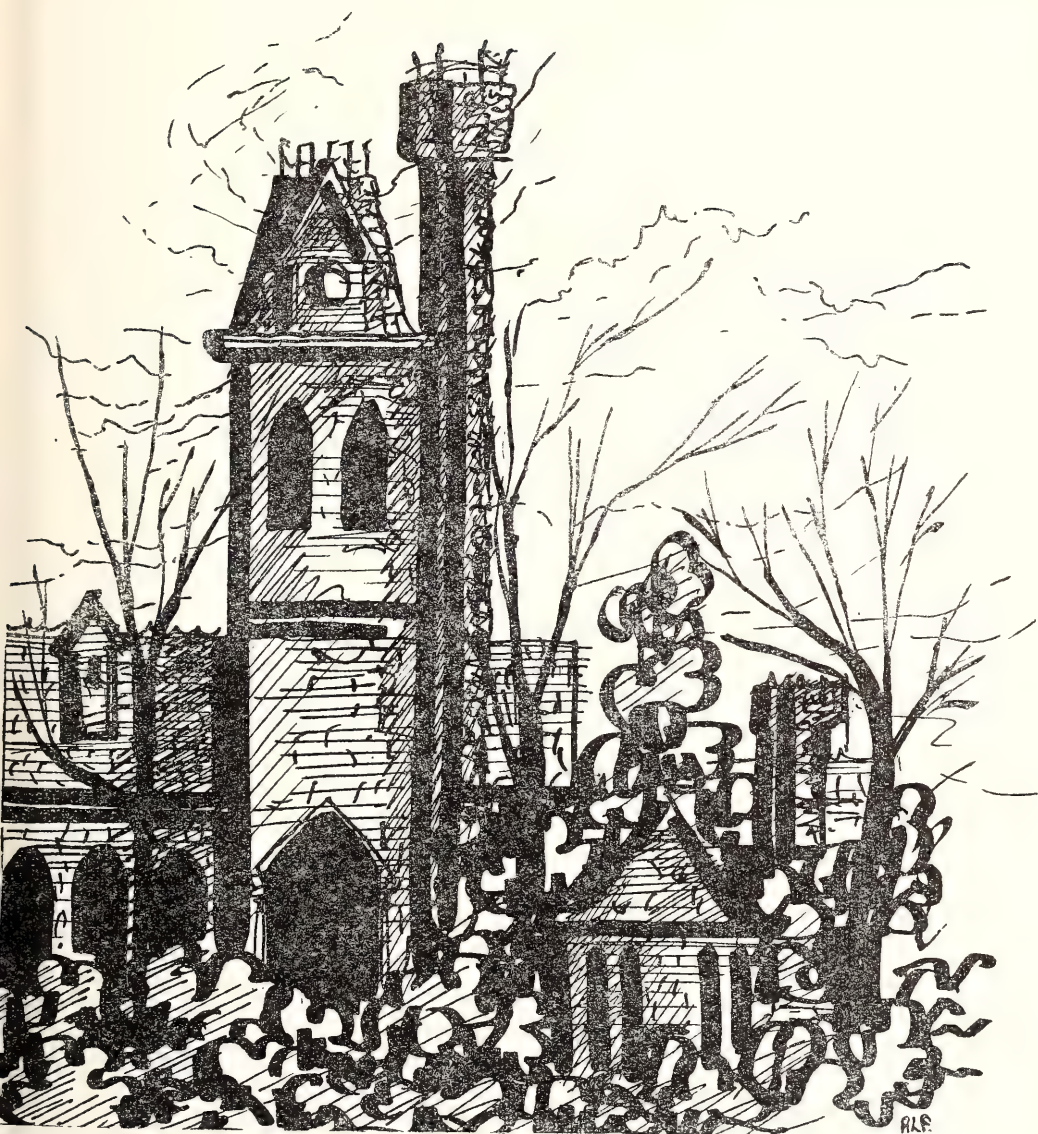
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THE COLLEGE

BOARD OF TRUSTEES

OFFICERS OF THE BOARD

MAYNARD L. PATTON, *Chairman*
PERRY E. GRESHAM, *President*
WARNER G. PETERSON, *Treasurer*
CHARLES D. BELL, *Secretary*

MEMBERS OF THE BOARD

TERM EXPIRES JUNE, 1964

GEORGE J. BARTHOLD Miners and Mechanics Savings and Trust Co.,
132 N. 4th Street, Steubenville, Ohio
COURTNEY BURTON Hanna Building, Cleveland, Ohio
PHILIP K. HERR Pittsburgh National Bank, 343 4th Avenue,
Pittsburgh, Pennsylvania
MISS PEARL MAHAFFEY Bethany, West Virginia
CHARLES H. MANION 1222 Pleasant Avenue, Wellsburg, West Virginia
DR. J. PARK McMULLEN 700 Charles Street, Wellsburg, West Virginia
CHARLES E. PALMER Peoples Union Bank and Trust Company,
McKeesport, Pennsylvania
W. ARTHUR RUSH Art Rush, Inc. 357 N. Canon Drive,
Beverly Hills, California
REV. HOLLIS L. TURLEY Pension Fund of Disciples of Christ
800 Test Building, Indianapolis 4, Indiana

TERM EXPIRES JUNE, 1965

ROY S. ADKINS North American Cement Corporation
41 East 42nd Street, New York, New York
CHARLES D. BELL 67 7th Street, Wellsburg, West Virginia
FRANCIS O. CARFER 50 Lincoln Boulevard, Kenmore, New York
REV. A. DALE FIERs United Christian Missionary Society
222 S. Downey Avenue, Indianapolis, Indiana
HAMILTON C. FORMAN 1524 Coral Ridge Drive, Fort Lauderdale, Fla.
C. ALLEN HARLAN Harlan Electric Company, 901 West Milwaukee,
Detroit 2, Michigan
KARL B. LUTZ 653 Racine Avenue, Pittsburgh 16, Pennsylvania
MAYNARD L. PATTON 35 Cliffview Avenue, Fort Thomas, Kentucky
DR. R. R. RENNER 1259 Oakridge, Cleveland 21, Ohio
MRS. A. E. WRIGHT, SR. 95 Ben Lomond Street, Uniontown, Pa.

TERM EXPIRES JUNE, 1966

DONALD L. BOYD, ...P. O. Box 1240, Huntington, West Virginia
CARL CLAYTON 1320 Enquirer Building, Cincinnati 2, Ohio
MERRITT J. DAVIS Banner Fibreboard Co., Wellsburg, West Virginia
ROBERT D. HURL Shelby Salesbook Company, Shelby, Ohio
M. J. KASARDA Farmers and Merchants National Bank Building,
Bellaire, Ohio
JOHN MARSHALL 528 Union Trust Building, Washington 5, D. C.
JUNIUS T. MOORE Box 2311, Charleston 28, West Virginia
FRANK L. WIEGAND, JR. 855 Academy Place, Pittsburgh 16, Pennsylvania
A. H. WILSON 410 Forest Lake Drive, Wilmington, Ohio
AUSTIN V. WOOD Wheeling News Publishing Company
1500 Main Street, Wheeling, West Virginia

FACULTY REPRESENTATIVE TO THE BOARD

PROFESSOR WILLIAM L. YOUNG (June 1965) Bethany, West Virginia

COMMITTEES OF THE BOARD OF TRUSTEES

EXECUTIVE (Elected)

Charles H. Manion, Chairman; Donald L. Boyd, Merritt J. Davis, A. Dale Fiers, C. Allen Harlan, Robert D. Hurl, Michael J. Kasarda, J. Park McMullen, C. E. Palmer, Maynard L. Patton, Frank L. Wiegand.

FINANCE, BUDGET AND AUDIT (Elected by Executive Committee)

J. Park McMullen, Chairman; Merritt J. Davis, Charles H. Manion, (Charles D. Bell, Ex-Officio).

INVESTMENT (Elected)

C. E. Palmer, Chairman; Phillip K. Herr, Charles H. Manion, Frank L. Wiegand, (W. G. Peterson, Ex-Officio).

BUILDINGS AND GROUNDS

Merritt J. Davis, Chairman; Donald L. Boyd, Robert D. Hurl, Michael J. Kasarda, Charles H. Manion.

CHURCH RELATIONS

Hollis L. Turley, Chairman; George J. Barthold, Hamilton C. Forman, Frank L. Wiegand, Albert H. Wilson.

NOMINATING

A. Dale Fiers, Chairman; J. Park McMullen, Maynard L. Patton, R. R. Renner, Charles D. Bell.

STUDENT-FACULTY-ALUMNI RELATIONS

Michael J. Kasarda, Chairman; F. O. Carfer, A. Dale Fiers, Pearl Mahaffey, C. E. Palmer.

PUBLIC RELATIONS

Donald L. Boyd, Chairman; W. Arthur Rush, Austin V. Wood.

DEVELOPMENT CAMPAIGN COMMITTEES

DEVELOPMENT FUND: C. Allen Harlan, Chairman; Roy S. Adkins, Courtney Burton, Carl W. Clayton, Philip K. Herr, John Marshall, J. Park McMullen, Maynard L. Patton.

WILLS AND ANNUITIES: Richard R. Renner, Chairman; W. Arthur Rush, Hollis L. Turley, Frank L. Wiegand, Mrs. A. E. Wright.

OFFICERS OF ADMINISTRATION

OFFICE OF THE PRESIDENT

PERRY EPLER GRESHAM	<i>President</i>
MERRILL PETTY	<i>Assistant to the President, Director of Development</i>
HAROLD C. DOSTER	<i>Assistant to the President, Alumni Relations and Special Development</i>
FRANK DUNN	<i>Assistant to the President, Field Representative</i>
JAMES W. CARTY, JR.	<i>Director of Public Relations and Publications</i>
_____, ...	<i>Director of Church Relations and Ministerial Training</i>

OFFICE OF THE VICE-PRESIDENT AND TREASURER

WARNER G. PETERSON	<i>Vice President and Treasurer</i>
JERRY L. JONES	<i>Business Manager</i>
HARLIE B. DUNHAM	<i>Superintendent of Buildings and Grounds</i>
CECIL WELLS	<i>Asst. Superintendent of Buildings and Grounds</i>
LOIS J. COX	<i>Accountant</i>
PAUL E. WHITE	<i>Purchasing Agent and Manager of College Stores</i>
JAMES GRIBBEN	<i>Chief Engineer</i>
I. S. CIPOLLA	<i>Manager of Food Service</i>
RUTH B. MARTIN	<i>Cashier</i>

OFFICE OF THE DEAN OF THE FACULTY

DAVID F. ROSS	<i>Dean of the Faculty</i>
JOHN J. CLOPINE	<i>Librarian</i>
JOHN N. DEPEW	<i>Assistant Librarian</i>
LUTA M. GORDON	<i>Registrar</i>
HELEN YOUNG CROSS	<i>Assistant to the Registrar</i>
JOHN A. SPENCE	<i>Director of the Summer School</i>

OFFICE OF THE DEAN OF STUDENTS AND ADMISSION

ROBERT A. SANDERCOX	<i>Dean of Students and Admission</i>
DARLINE B. NICHOLSON	<i>Dean of Women</i>
JOSEPH M. KUREY	<i>Assistant to the Dean of Students</i>
JOHN GRAHAM	<i>Director of Admission</i>
C. MARC ARNOLD	<i>Admission Counselor</i>
LOUIS PROVENZANO	<i>Admission Counselor</i>
KATHLEEN B. GODINA	<i>Administrative Assistant</i>
F. D. LARGE, M.D.	<i>College Physician</i>
CATHERINE SPRINGER, R.N.	<i>College Nurse and Supervisor of Infirmary</i>

FACULTY OF INSTRUCTION

PERRY EPLER GRESHAM, *President of the College on the M. M. Cochran Foundation.* (1953).

A.B., B.D., Texas Christian University; LL. D., Texas Christian University; Litt. D., Culver Stockton College; University of Chicago; Columbia University.

WARNER G. PETERSON, *Vice President and Treasurer.* (1952).

A.B., Allegheny College; Ohio State University.

PEARL MAHAFFEY, *Professor of Foreign Languages Emeritus.* (1908-1949).

A. B., Miami University; A. M., Columbia University; Litt. D., Bethany College; McGill University; University of Paris; National University of Mexico.

ANDREW LEITCH, *Sarah B. Cochran Professor of Psychology Emeritus.* (1920-1956).

A. B., A. M., Butler College; B. D., Ph. D., Yale University; D. D., Butler University; Columbia University; University of Chicago; University of Pennsylvania; Harvard University.

EMMETT EPHRAIM ROBERTS, *Professor of Journalism Emeritus.* (1928-1960).

A. B., Ohio University; A. M., Ohio State University; New York University.

HARRY LAWRENCE ICE, *Director of Ministerial Training and Professor of Religion Emeritus.* (1944-1954).

A. B., A. M., Bethany College; Ph. D., George Washington University; D. D., Bethany College.

DANIEL SOMMER ROBINSON, *Professor of Philosophy Emeritus.* (1954-1958).

A. B., Butler College; A. M., Yale University; Ph. D., Harvard; Litt. D., Marietta College; University of Breslau.

MARGARET ROBERTS WOODS, *Associate Professor of Foreign Languages Emeritus.* (1943-1961).

A. B., Wellesley College; A. M., Pennsylvania State University; Middlebury College; Columbia University; Colorado College; University of Besancon; University of San Luis Potosi.

WINIFRED WEBSTER (MRS.), *Dean of Women and Instructor in English Emeritus.* (1952-1960).

A. B., University of North Dakota; A. M., Columbia University.

The names are arranged in order of rank and then seniority of appointment.
The date in parenthesis indicates the date of first appointment to the faculty.

DAVID F. ROSS, *Dean of the Faculty and Professor of Economics*. (1959).
(*Dean of the Faculty*, 1961).

A. B., M. A., Ph. D., Harvard University; University of Michigan;
Michigan State University.

BERNAL ROBINSON WEIMER, *Distinguished Professor of Biology and Head of the Department*. (1921). (*Dean of the Faculty*, 1936-1961).

A. B., A. M., West Virginia University; Ph. D., University of Chicago.

C. WILLIAM O'NEILL, *Distinguished Lecturer in Public Affairs*. (1959).

A. B., Marietta College; LL. B., Ohio State; LL. D., Defiance College,
LL. D., Ohio University; LL. D., Miami University (Ohio); LL. D.,
College of Steubenville; LL. D., West Virginia University; LH. D.,
Marietta College; LL. D., Heidelberg College; LL. D., Wilberforce
University.

OSBORNE BOOTH, *T. W. Phillips Professor of Old Testament*. (1929).

A. B., Hiram College; B. D., Ph. D., Yale University; University of
Chicago.

JOHN J. KNIGHT, *Professor of Physical Education and Head of the Department*. (1930).

A. B., West Virginia Wesleyan College; A. M., Ohio State University;
University of Michigan.

*JOHN STANLEY VALENTINE ALLEN, *Professor of Physics and Head of the Department*. (1933).

B. S. in E., M. S., Ph. D., Ohio State University; Massachusetts In-
stitute of Technology; West Virginia University; Pennsylvania State
University.

BENJAMIN CHANDLER SHAW, *George T. Oliver Professor of History and Political Science and Head of the Department*. (1935).

A. B., Rollins College; A. M., Ph. D., University of North Carolina;
American Academy in Rome; Royal University, Perugia, Italy.

*EARL D. MCKENZIE, *Professor of Foreign Languages and Head of the Department*. (1937).

A. B., Brown University; A. M., Columbia University; M. Litt., Ph. D.,
University of Pittsburgh; University of Frankfurt am Main; Yale
University; University of Paris.

HELEN LOUISE MCGUFFIE, *Professor of English and Head of the Department*. (1947).

A. B., Bethany College; A. M., University of Pittsburgh; Ph. D.,
Columbia University.

JOHN DANIEL DRAPER, *Professor of Chemistry and Head of the Department*. (1951).

B. S., Franklin and Marshall College; Ph. D., University of Maryland.

*On sabbatical leave, 1st semester, 1963-64.

RICHARD L. SCHANCK, *Lecturer in Sociology*. (1952)

A. B., A. M., Northwestern University; Ph. D., Syracuse University; University of London; University of Pennsylvania.

ROBERT ASHER PRESTON, *Professor of Religion and Head of the Department*. (1955).

A. B., Texas Christian University; A. M., University of Chicago; Ph. D., University of Pittsburgh; Washburn University; Menninger School of Psychiatry; Yale University.

WILBERT SCOTT RAY, *Professor of Psychology and Head of the Department*. (1956).

A. B., Washington and Jefferson College; A. M., Ph. D., University of Wisconsin.

*RICHARD H. SLAVIN, *Professor of Economics and Head of the Department*. (1956).

A. B., Bethany College; M. A., Ph. D., University of Pittsburgh.

†JAMES W. CARTY, JR., *Director of Public Relations and Publications and Professor of Journalism*. (1959).

A. B., Culver-Stockton; B. D., University of Chicago; M. S. Northwestern University; University of Oklahoma; George Peabody College; Scarritt College; Saltillo (Mexico) State Teachers College; Bethany College.

HSIOH-REN WEI, *Professor of Physics and Public Affairs, and Acting Head of the Department of Physics*. (1963).

B. A., University of Nanking; Ph. D., University of Chicago.

H. DONALD DAWSON, *Professor of Chemistry*. (1963).

B. Sc., Denison University; M. Sc., Ph. D., Ohio State University.

JOHN A. SPENCE, *Professor of Education and Head of the Department, Director of the Summer School*. (1961).

B. S. in Ed., M. A., Ph. D., Ohio State University.

BRADFORD TYE, *Associate Professor of Mathematics and Head of the Department*. (1943).

B. S., Alma White College; M. S., New York University; Rutgers University; Columbia University; University of Pittsburgh.

GEORGE K. HAUPTFUEHRER, *Associate Professor of Fine Arts, Head of the Department of Music and Acting Head of the Department of Fine Arts*. (1945).

A. B., B. M., Friends University; A. M., University of Kansas; Pittsburgh Musical Institute; Juilliard School of Music; Indiana University.

S. ELIZABETH REED, *Associate Professor of Physical Education*. (1945).

A. B., Muskingum College; M. Ed., University of Pittsburgh; University of Wisconsin; New York University; University of Wyoming; University of Southern California; University of Michigan.

*On sabbatical leave, 1963-64.

†On leave of absence, 1st semester, 1963-64.

WILLIAM LEWIS YOUNG, *Associate Professor of History and Political Science.* (1950).

A. B., Bethany College; A. M., Ohio State University; Columbia University.

MARGARET MATHISON, *Associate Professor of Education.* (1951).

A. B., M. Litt., University of Pittsburgh; University of Southern California; Pennsylvania State University.

JOHN RAYMOND TAYLOR, *Associate Professor of English.* (1955).

A. B., Bethany College; M. A., Princeton University; University of Akron.

HAROLD EDGAR MARTIN, JR., *Associate Professor of Physical Education.* (1955).

A. B., Bethany College; A. M., University of Pittsburgh.

ROBERT H. SYKES, *Associate Professor of English.* (1956)

A. B., West Liberty State College; M. A., University of Pennsylvania; Ph. D., University of Pittsburgh.

SHIRLEY GADDIS, *Associate Professor of Chemistry.* (1959).

A. B., M. S., University of Iowa; Ph. D., University of Missouri; University of Chicago; University of Illinois; Columbia University.

*WILLIAM N. FERRIS, *Assistant Professor of Foreign Languages, and Acting Head of the Department.* (1956).

A. B., Bethany College; M. A., Ph. D., University of North Carolina; Columbia University.

ROBERT A. SANDERCOX, *Dean of Students.* (1957).

A. B., Bethany College; B. D., Yale University.

KENT K. McALEXANDER, *Assistant Professor of Art and Head of the Department.* (1959).

A. B., B. F. A., Washburn University; M. A., Ohio State University.

LUTA MARIE GORDON, *Registrar and Assistant Professor of Education.* (1959).

A. B., Bethany College; M. Ed., University of Pittsburgh; West Liberty State College; Fairmont State College; West Virginia University; Geneva College.

JERRY LEE JONES, *Business Manager and Assistant Professor of Economics.* (1959).

B. S., M. S., University of Tennessee; Case Institute of Technology.

ROBERT GARNER GOIN, *Assistant Professor of Physical Education.* (1960).

A. B., Bethany College; M. S., West Virginia University.

ABRAM KAMINSKY, *Assistant Professor of Music in Cooperation with the Bethany Public School.* (1960).

B. M. E., M. M. E., Indiana University; University of Michigan; Michigan State University; American University.

*On sabbatical leave, 2nd semester, 1963-64.

WILLIAM G. FRANKLIN, *Assistant Professor of Speech and Drama and Head of the Department.* (1961).
B. A., Heidelberg College; M. A., Bowling Green State University; American Foundation of Dramatic Art.

JOHN GERALD PATTERSON, *Assistant Professor of History and Political Science.* (1961).
A. B., Bethany College; M. A., University of Virginia; University of Pittsburgh.

OLIVER MANNING, *Artist in Residence in the Department of Music.* (1961).
B. M., Louisiana State University; M. M., Cincinnati College—Conservatory of Music.

ALLIE FRAZIER, *Assistant Professor of Philosophy and Head of the Department; Director of the Honors Program.* (1962).
B. A., Millsaps College, S. T. B., Boston University, Ph. D., Boston University; University of Glasgow.

IRWIN H. POMERANTZ, *Assistant Professor of Chemistry.* (1962).
B. S., Antioch College; Ph. D., University of Colorado.

BARRIE RICHARDSON, *Assistant Professor of Economics and Acting Head of the Department.* (1962).
B. A., Carleton College; M. B. A., D. B. A., Indiana University; University of Colorado.

EDWARD E. SWEET, JR., *Assistant Professor of Biology* (1962).
B. S., M. Litt., Ph. D., University of Pittsburgh.

J. JEFFERSON HAMILTON, *Chaplain.* (1962).
B. A., Phillips University; B. D., Yale University; St. Andrews University.

E. JANE PORTER, *Assistant Professor of Education in Cooperation with the Bethany Public School.* (1962).
A. B., M. Ed., Ohio University.

LEVERING C. BONAR, *Lecturer in Education.* (1962).
A. B., Marshall University; M. A., University of Pittsburgh; West Liberty State College; Carnegie Institute of Technology; West Virginia University.

CHAI SIK CHUNG, *Assistant Professor of Sociology and Anthropology and Acting Head of the Department.* (1963).
Diploma, Methodist Theological Seminary; Th. M., Chosun Christian University; B. D., Harvard University; Boston University.

JOHN J. CLOPINE, *Head Librarian and Assistant Professor of Library Science.* (1963).
A. B., Bethany College; M. S. in L. S., Catholic University of America.

AUGUSTA E. LANSING, *Assistant Professor of History and Political Science.* (1963).
M. A., Fordham University; Ph. D., University of Chicago; Bryn Mawr College.

SUSAN WORTHEN HANNA, (MRS.), *Instructor in Physical Education.* (1957).
A. B., Bethany College; Marjorie Webster School of Physical Education.

- HAROLD C. DOSTER, *Director of Church Relations and Ministerial Training, and Instructor in Religion.* (1960).
A. B., Bethany College; B. D., Yale University; Western Reserve University.
- CHRISTIANE MAGDALENE ANGELE, *Instructor in Foreign Languages.* (1961).
B. S., Alabama College; M. A., Middlebury College; University of Madrid; University of Berlin.
- DARLINE B. NICHOLSON, *Dean of Women and Instructor in Physical Education.* (1962).
B. S., Fairmont State College; West Virginia University.
- EARL W. BOURNE, *Instructor in Biology.* (1962).
A. B., Westminster College; M. S., Oklahoma State University.
- MARGUERITE M. GIRARD, *Instructor in Foreign Languages.* (1962).
B. A., Teachers Training School (France); Licence es Lettres, University of Aix en Provence; University of Exeter; University of Pittsburgh.
- CORDELIA L. GRAY, *Instructor in Foreign Languages.* (1962).
A. B., University of Georgia; M. A., Tulane University.
- JOSEPH M. KUREY, *Assistant to the Dean of Students and Instructor in Mathematics.* (1962).
B. S., Bethany College; West Virginia University.
- JOHN N. DEPEW, *Assistant Librarian.* (1963).
A. B., Bethany College; M. S. in L. S., Western Reserve University.
- ANDREW URBANIC, *Instructor in Physical Education.* (1963).
A. B., Bethany College; West Virginia University.
- DONALD T. REILLY, *Instructor in English.* (1963).
A. B., Youngstown University; A. M., University of Illinois.
- DONALD L. WRIGHT, *Instructor in Psychology.* (1963).
B. A., College of Idaho; M. A., Ohio University.
- MARY A. MCKENZIE, (MRS.), *Part-time Instructor in English.* (1945).
A. B., A. M., Radcliffe College.
- WILMA M. SHANER (MRS.), *Part-time Instructor in Biology.* (1950).
A. B., Bethany College.
- HELEN PIERCE ELBIN (MRS.), *Part-time Instructor in Music.* (1962).
A. B., Bethany College.
- JOSEPHINE B. THOMS (MRS.), *Part-time Instructor in Art.* (1962).
A. B., Hillsdale College (National Academy of Design); American University (Corcoran School of Art); Davidson School of Modern Painting; Maryland Institute of Art.
- DON GILLIS, *Consultant in Music.* (1963).
A. B., B. Mus., Dr. Mus., Texas Christian University; M. Mus., North Texas Teachers College.
- WESLEY J. WAGNER, *Part-time Instructor in Art.* (1963).
Pennsylvania Academy of the Fine Arts; Barnes Foundation.
- LUCILE BYRD SHAW (MRS.), *Assistant to the Librarian.* (1955).
A. B., Woman's College of the University of North Carolina; B. L. S., Carnegie Institute of Technology; Cornell University.
- HELEN WILSON KNIGHT, (MRS.), *Assistant to the Librarian.* (1957).
A. B., Ohio Wesleyan University.

COMMITTEES OF FACULTY AND STAFF

1963-1964

ADMISSION AND ACADEMIC REVIEW

Mr. Ross, Chairman; Mr. Weimer, Mr. McKenzie, Mr. Preston, Mr. Ray, Mr. Young, Miss Gordon, Mr. Sandercox.

ATHLETICS AND PHYSICAL EDUCATION

Mr. Booth, Chairman; Mr. Knight, Miss Reed, Mr. Peterson, Mr. Richardson.

CULTURAL ACTIVITIES

Mr. Young, Chairman; Mr. Weimer, Mr. Preston, Mr. Hauptfuehrer, Mr. Patterson, Mr. Franklin, Mr. Sandercox.

CURRICULUM

Mr. Ross, Chairman; Mr. Weimer, Mr. Shaw, Miss McGuffie, Mr. Preston, Mr. Draper, Mr. Ray.

FACULTY WELFARE AND SECURITY

(3 years) Mr. Franklin, Mr. Richardson; (2 years) Mr. Ferris, Miss Reed; (1 year) Mr. Patterson, Mr. Taylor.

FOREIGN STUDENTS

Mr. McKenzie and Mr. Ferris, co-chairmen; Mr. Shaw, Miss Gordon, Mr. Sandercox.

GANS AWARDS

Mr. Weimer, Chairman; Miss McGuffie, Mr. Draper, Mr. Wei, Mr. Dawson, Mr. Tye.

HONORS

Mr. Weimer, Chairman; Mr. Ross, Mr. McKenzie, Mr. Draper, Mr. Sandercox, Miss Gray.

HONORS PROGRAM ADVISORY COMMITTEE

Mr. Ross, Chairman; Mr. McKenzie, Mr. Young, Mr. Frazier.

LIBRARY

Mr. Ross, Chairman; Mr. Weimer, Miss McGuffie, Mr. Spence, Mr. Young, Mr. Clopine.

MINISTERIAL TRAINING

Mr. Preston, Chairman; Mr. Booth, Mr. Doster.

PUBLIC RELATIONS

Mr. Sandercox, Chairman; Mr. Carty, Mr. Taylor, Mr. Doster.

RELIGIOUS LIFE

Mr. Preston, Chairman; Mr. Allen, Mr. Doster, Mr. Sandercox, Mr. Hamilton.

SCHOLARSHIPS AND FINANCIAL AIDS

Mr. Sandercox, Chairman; Mr. Peterson, Mr. Ross, Mr. Jones, Mr. Doster, Mr. Graham.

TEACHER EDUCATION ADVISORY COMMITTEE

Mr. Ross, Chairman; Mr. Weimer, Mr. Knight, Mr. Shaw, Mr. McKenzie, Mr. Draper, Mr. Spence, Mr. McAlexander, Mr. Ferris.

TEACHER EDUCATION REVIEW COMMITTEE

Mr. Spence, Chairman; Miss Mathison, Miss Reed, Miss Gordon, Mr. Kaminsky, Mr. Sandercox, Mr. Sweet.

TESTING

Mr. Sandercox, Chairman; Mr. Ross, Mr. Ray, Miss Gordon.

HISTORY AND CHURCH RELATION

BETHANY COLLEGE is a private foundation chartered under the laws of the Commonwealth of Virginia on March 2, 1840. Alexander Campbell, celebrated debater, Christian reformer, and educator, wrote the Charter and provided the land for the campus as well as \$15,000 toward the first building. The first paragraph of the Charter reads as follows:

“Be it enacted by the general Assembly, That there be and is hereby created and established at or near Bethany, in the County of Brooke, in this Commonwealth, a seminary of learning for the instruction of youth in the various branches of science and literature, the useful arts, agriculture, and the learned and foreign languages.”

Campbell's idea of a college derived from his own academic experience at the Scottish University of Glasgow where he studied, and from the University of Virginia, whose founder, Thomas Jefferson, he greatly admired. As a result of these two models, the new college took on the ideals and collegiate Gothic architecture of the four-hundred-year old Glasgow, and the curriculum as well as most of its first faculty from the twenty-year old University of Virginia. Campbell added his original conception of a department of sacred history which would teach the Bible on a parity with other disciplines. He defined the liberal arts as follows:

“They are called liberal arts and sciences, not merely because they free the human mind from vulgar prejudices, ignorance, and error which they certainly do; but because they are general in their character and application, and open to us an extensive acquaintance with literature, science and art; and thus furnish us with the means of extending our acquaintance with nature, society, and the Bible, to any extent commensurate with the wants of our nature and the limits of our existence.”

Bethany has continued from 1840 to the present time as a four-year private college with a self-perpetuating board of trustees. The religious body known variously as the Christian Churches, Disciples of Christ, or Churches of Christ, of which Campbell was the principal founder, has been and continues to be a significant factor in the support and encouragement of the college. The eighteenth century home where Campbell lived and the private cemetery where he lies buried are part of the property of Bethany College. The undenominational nature of the restoration movement enables the college to exemplify the academic ideals of the Christian Churches with complete freedom from sectarian control.

When West Virginia became a separate state in 1863 Bethany continued to operate under its original charter from the Commonwealth. The general corporation laws of the new state specifically recognized the supremacy of charters previously granted by special acts of the Legislature of Virginia before the formation of the State of West Virginia. No amendments to the charter have been made. The newly formed Mountain State was indebted to Alexander Campbell for his influence in the Constitutional Convention of 1829 where the rift was started which eventuated in the wartime separation. Archibald Campbell, Wheeling publisher, who was a nephew of Alexander and a Bethany graduate, called the Convention which created the new state. The tower of Old Main at Bethany appears as one of the four historical landmarks in the rotunda of the State Capital Building at Charleston.

The college did not discontinue classes during the War between the States. Enrollment fell to thirty-three students for the term of 1862-63, but the college bell continued to ring and classes went on without interruption. The college was officially Unionist, but most of the students were from the southern states. Great inner discipline was required of each teacher and student when the waves of martial emotion swept the nation. The aged President Campbell said, "We at Bethany, in common with all the colleges in Virginia, and indeed all the South, are almost reduced to a shadow compared with bygone days and years. Martial glory and military splendor have usurped the throne of literature, science, and religion."

A resurgence of interest in the higher learning followed the War and brought great honor to Bethany. Professor A. E. Dolbear, while a Professor of Physics at Bethany, perfected the telephone receiver and delivered an important paper on the subject of his experiments before the American Association for the Advancement of Science which met at Portland, Maine in August, 1873. Dolbear sold his patents to the Alexander Graham Bell interests at a modest figure, since his interest was in science rather than commerce. James Lane Allen came to the faculty in 1880. One of his most celebrated novels was written while he was teaching Latin at the college. The strong emphasis on the sciences and humanities was matched by the awakening interest in the social sciences. Champ Clark of Congress and Joseph Rucker Lamar of the Supreme Court were among the graduates of that period.

The financial crisis of the 1890's threatened the very life of the college. Only the courage of the teachers and officers, together with the generosity of trustees such as T. W. Phillips, Sr. and Mr. M. M. Cochran, kept the classes going. Enrollment fell to fifty-three students in 1898, but the quality of instruction remained high in spite of unpaid salaries. In the face of such trials the faculty

bravely raised entrance requirements. By the turn of the century things began to improve. New buildings began to rise through the generosity of Earl W. Oglebay, M. M. Cochran, and T. W. Phillips, Sr. Endowments developed rapidly in the twentieth century until Bethany now stands tenth among colleges of less than one thousand in the entire nation with regard to endowments.

The unbroken tradition of academic excellence was undergirded by more adequate support as the century moved on. Forty percent of the faculty held earned doctorates by 1930. Bethany was on the early list of institutions accredited by the Southern Association and on the first list of those accredited by the North Central Association when regional jurisdiction was changed. The first list of approved colleges published by the Association of American Universities included Bethany. The faculty participated in an experimental program financed by the General Education Board and directed by the University of Chicago with a view to improvement in teaching methods. Comprehensive oral and written examinations were added to requirements for graduation. Distinction was early drawn between lower and upper divisions courses. Bethany has kept pace with other colleges while at the same time holding to the distinctive purposes which marked her foundation.

The two world wars of the present century have not changed the central concerns of the Bethany program, even though courses and arrangements were adjusted to meet the crises of the nation. A controversial Student Army Training Corps was established in 1918, and a heartily accepted Navy V-12 unit operated during World War II, but the emphasis on the liberal arts and sciences was disrupted in neither period. High academics and a lively regard for character have continued without any diminution.

The present faculty and student body are quite generally oriented toward the quiet ideals of learning and integrity with a fine sense of individual responsibility. A discerning visitor soon discovers substantial identity between the stated aims of the college and the present Bethany program. The hallmark of a Bethany education today is the same pursuit of truth in a context of freedom which Campbell wrote into the Charter and early bulletin of 1840.

ENROLLMENT

ACADEMIC YEAR 1962-1963

ENROLLMENT BY CLASSES

	<i>Full Time</i>		<i>Part Time</i>		<i>Total</i>
	<i>Men</i>	<i>Women</i>	<i>Men</i>	<i>Women</i>	
Seniors	76	44	2	3	125
Juniors	106	63	1	—	170
Sophomores	106	76	2	1	185
Freshmen	125	89	—	—	214
Unclassified	29	6	8	47	90
Total.....	442	278	13	51	784

ENROLLMENT BY STATES AND FOREIGN COUNTRIES

AUSTRALIA	1	Michigan	2
AUSTRIA	1	Missouri	1
BOLIVIA	1	New Jersey	117
California	2	New York	98
CANADA	2	Ohio	103
Connecticut	39	Pennsylvania	241
Delaware	1	Rhode Island	2
Florida	8	South Carolina	1
FRANCE	1	Texas	1
GREECE	1	Vermont	1
Illinois	1	Virginia	4
Indiana	9	Washington, D. C.	3
Kentucky	1	WEST INDIES	1
Maryland	16	West Virginia	123
Massachusetts	2		—
			784

DEPARTMENTS IN WHICH DEGREES WERE CONFERRED

Art	1	Mathematics	10
Biology	6	Music	1
Chemistry	4	Physical Education	1
Economics	21	Physics	2
Education	16	Pre-Medical	1
English	6	Psychology	5
Foreign Languages	1	Religion	6
French	2	Religious Education	1
German	1	Sociology	7
History	17	Spanish	2
Journalism	10		—
			121

ACCREDITATION

BETHANY COLLEGE is fully approved by regional and national accrediting agencies. The College is a member of the North Central Association of Colleges and Secondary Schools, the Association of American Colleges, the American Council on Education, and the College Entrance Examination Board.

Bethany College is recognized by many learned societies. State departments of education have approved Bethany as an institution for the training of teachers for the elementary and secondary schools.

Women graduates of Bethany College are eligible for membership in the American Association of University Women.

Bethany College is a member of the Board of Higher Education of the Disciples of Christ.

LOCATION

BETHANY COLLEGE is located in the Northern Panhandle of West Virginia, three miles from Pennsylvania, seven miles from Ohio, and thirty-five miles north of the Mason-Dixon line. Its setting in the peaceful Buffalo valley of the Allegheny foothills is semi-rural, yet accessible to the centers of culture, transportation, commerce, and industry: Pittsburgh, Pennsylvania, is an hour and ten minutes away, to the northeast; Wheeling, W. Va., is thirty-five minutes away, to the southwest; the Wheeling airport, with taxi service to Bethany, is only twenty minutes away; Steubenville, Ohio, is half an hour away, to the northwest.

FACILITIES AND RESOURCES

THE COLLEGE campus of some sixty acres is located within the corporate limits of the town of Bethany. On the crest of the hill overlooking the town are located the academic buildings, the offices of administration, the library, the main residences for college women, the women's gymnasium, and the president's house. On the east slope of the main campus are the student center, infirmary, and student residence halls, a residence for upperclass women, and the residences for college men, and, on the west side, the field house and recreational areas for both men and women.

The college lands include about thirteen hundred acres of farm and timber land adjacent to the campus area and available

for use by the students. These include the Alexander Campbell Farm, the Point Breeze Farm, the Parkinson Woods and other properties. Nature trails and picnic areas have been developed in some of these areas.

BUILDINGS

Old Main, the central unit of the academic buildings of the College, was built in 1858 to replace the original building which had been destroyed by fire the previous year. The Tower at the center of this building dominates the campus and the town and is the chief architectural feature noted as one approaches the College.

Commencement Hall, completed in 1872, provides the setting for convocations, concerts, dramatic presentations and other gatherings of a general nature. Studios and classrooms for the Departments of Music and Art are located on the ground floor of this building.

Oglebay Hall, dedicated in 1912, was built by the late Earl W. Oglebay of the class of 1869. The building accommodates the Departments of Chemistry and Biology, and special research laboratories.

The Phillips Memorial Library, costing approximately a million dollars, is the gift of the Phillips family of Butler, Pa. as a memorial to T. W. Phillips, Sr. and T. W. Phillips, Jr.

The Outdoor Chapel is used for dramatics and other appropriate gatherings. This area, developed in cooperation with church groups in Pennsylvania and West Virginia, is also used as the site for vesper services at young people's summer conferences.

The Alumni Field House, built in 1948 by gifts from alumni, former students and friends of the college, provides physical education facilities for men.

The Rine Recreation Fields were developed as a memorial to Edwin M. Rine, friend and benefactor of the College. The Rine Fields are adjacent to the Alumni Field House and include football and baseball fields, a quarter mile cinder track and an athletic field for use of college men.

The Irvin Gymnasium (1919) was a gift to the College by members of the Irvin family of Big Run, Pennsylvania. It was the physical education center for all members of the student body until 1948. Since that time it has served as the center of physical education for women. The swimming pool is in this building.

The Bethany House, completed in 1948, is the student center and houses the dining hall for men. The first floor, designated as the Bee Hive, provides an informal social center. The middle floor contains rooms for club meetings and private group dinners.

Pendleton Heights, built in 1841 by William K. Pendleton, a member of the first faculty and second president of the College, serves as the home of the President of the College.

Cramblet Hall houses the administrative offices of the college. This building is named in honor of two former presidents of the college, Thomas E. Cramblet and his son Wilbur H. Cramblet.

Faculty Office Building was given to the College in 1947. Of semi-permanent construction, it provides offices and seminar rooms.

The Infirmary contains the office of the College Physician, treatment and examination rooms, and wards for men and women.

Cochran Heating Plant which furnishes heat to buildings on the main campus was a gift of Mark M. Cochran in 1910.

Phillips Hall, (1929) is the central residence for women students. It replaced the original Phillips Hall which was a gift of Thomas W. Phillips. In addition to residence accommodations, it contains the dining room for women.

Ivabell Harlan Hall (1960), is a residence hall for upper-class women. This building was made possible by a gift from C. Allen Harlan.

Morlan Hall (1963), is a residence for women. This building was made possible by a gift from H. J. Morlan.

Cochran Hall a men's residence, was built in 1910 by Mark M. Cochran, class of 1875, as a memorial to his son Percy B. Cochran of the class of 1900.

Campbell Hall (1956) a modern residence housing 100 upper classmen was made possible by gifts from the Christian Churches of West Virginia, New York, Pennsylvania, and Ohio.

A. McLean Hall (1962), is a men's residence and Church Conference Center, the funds for which are being provided by capital contributions of the Christian Churches of West Virginia.

Gateway Hall, located near the upper campus gates, is a residence for upperclass students.

Fraternity Houses. Five national fraternities for men maintain residences which provide housing and social facilities for their members.

LIBRARY

The College library contains approximately 75,000 volumes of selected books and periodicals. Supplementary services include microfilm files, microfilm readers, recordings for work in speech and literature, a circulating art collection, and a music library of albums of recorded symphonies, concertos and operas.

The library receives approximately 269 periodicals, and several metropolitan dailies and foreign language papers.

Through a program instituted by the Carnegie Library of Pittsburgh, the Carnegie Institute of Technology, and the University of Pittsburgh, the facilities of these libraries and twelve co-operating colleges in Western Pennsylvania are available to students and faculty.

Several personal libraries and collections have been received by the College. The principal parts of the libraries of Alexander Campbell, Robert Richardson, Miss A. C. Pendleton, Archibald McLean, W. S. Priest, Levi Marshall, Miss Mary I. Nichols, R. H. Wynne, Cloyd Goodnight, M. M. Cochran, Mrs. Anna Ruth Bourne, Clarence A. Hanna, Miss Florence M. Hoagland, E. Lee Perry, Galen C. Hartman, Franklin T. Baker and Andrew Leitch are among these.

Valuable early literature of the Disciples of Christ has come from Samuel Lindsay, Rev. W. S. Good, Miss Ellen Thomas, Rev. Ben S. Ferral, Almon B. Knowles, and others. Material related to the Disciples of Christ, together with papers and publications of historical importance to Bethany College, have been brought together in the Alexander Campbell Room located on the third floor of the library.

Special funds have been established by Anna Ruth Bourne, Galen Campbell Hartman, and the Kresge and Kellogg Foundations, designated for use in purchasing books for the collections.

LABORATORIES

The biology laboratories and seminar rooms, located in Oglebay Hall, provide instructional equipment for courses. Special laboratories and facilities are available for advanced students conducting independent studies.

Laboratories of the Department of Chemistry occupy the second and third floors of Oglebay Hall. They consist of a general laboratory, an analytical laboratory, and a laboratory for organic and physical chemistry. There are also two minor research laboratories, a spectroscopic laboratory, and chemical storerooms. Special laboratories and facilities are available for advanced students conducting independent research.

The laboratories in the Department of Physics are on the first floor of the Main Building. The College possesses apparatus for work in the fields of radio, electronics, spectroscopy and radioactivity, and is licensed to operate a short-wave radio station.

The laboratories of the Department of Psychology, located in the Main Building, are equipped for work in experimental psychology, perception, mental measurements and some phases of applied psychology.

MUSIC

The studios and practice rooms of the Department of Music include modern sound equipment in addition to pianos and a two-manual Teller-Kent pipe organ. The pipe organ in the Bethany Memorial Church is also available to students of music.

The Phillips Memorial Library contains six soundproof listening rooms, with modern high fidelity sound systems, and a collection of more than 1,000 recordings.

DRAMA

The Theatre Workshop is located on the second floor in Old Main adjacent to the Little Theatre. The workshop and the Little Theatre provide the facilities and opportunities for scenic work and dramatic productions. The larger stage and auditorium of Commencement Hall are available for major productions of the Department of Speech and Drama.

RESOURCES

The gross assets of Bethany College at the end of the fiscal year August 31, 1962, totaled \$11,214,657. In the assets, Endowment Funds are listed at a book value of \$5,921,844 and College Plant and Equipment is listed at a cost value of \$4,564,223. Other assets include loan funds, agency funds and miscellaneous items.

The College recognizes, with appreciation, the gifts of funds which not only provide lasting memorials for individuals and families but also make possible the program of a private college of quality.

The expenses of the College are met only in part by payments of students. The balance is provided by income from endowment funds and by gifts. The private college depends upon the continued support of those who believe in its program.

The named endowment funds of the College include the following:

M. M. Cochran Endowment of President's Chair ..	\$100,000
M. M. Cochran General Endowment	500,000
M. M. Cochran Endowment of 1923	335,768
M. M. Cochran Special Trusts	846,880
T. W. Phillips, Sr., Chair of Old Testament	30,000
Sarah B. Cochran Chair of Philosophy	25,000
Moninger Memorial Bible Chair	24,980
George T. Oliver Chair of History	50,000
Pearl Mahaffey Chair of Modern Languages	1,295
R. A. Long Chair of Mathematics	50,000
T. W. Phillips, Jr., Endowment	59,277
Anna Louise Helwig Endowment	33,557
Men and Millions Endowment	66,150
Robert MacDougald Endowment	9,210
E. M. Rine Trust (to date)	173,384
Wilson Beall Memorial Fund	20,000
The Gans Fund for Research in Science	50,000
Miscellaneous General Endowments	672,620
The Ford Foundation	158,500
The Daniel F. Mullane Memorial Fund	13,933
The Albert H. Hunt Memorial Fund	36,069
David B. Steinman Fund	10,000

LIBRARY FUNDS

Michael L. Benedum	\$7,500
Thomas Bloch	1,000
Anna Ruth Bourne	12,749
Hamilton and Blanche Forman	1,000
Globe Brick, Sidney Porter.....	1,250
Cloyd Goodnight	3,318
Irwin T. Green	1,235
Aleece C. Gresham	1,000
Delmar S. Harder	4,663
Galen Campbell Hartman	25,615
R. L. Ireland	1,290
Jessop Steel Company	1,000
Kresge Foundation	50,000
Halford Morlan	5,000
Daniel F. Mullane	1,000
H. C. Ogden	8,000
Kenneth Resseger	6,015
Weirton Steel Free Enterprise	2,500
Cyrus F. Yocum	2,565

Named Funds for Scholarship and Student Aid purposes include: (See Section on Scholarships and Financial Aids).

Mary A. Morrison	\$1,000
Isaac Mills	1,000
G. A. Willett	4,000
Isaac Brown	750
Albert C. Israel	500
Jennie Irvin Hayes	5,000
Ida Mae Irvin	5,000
Herbert Moninger	2,455
Josiah Wilson	2,576
John H. and Ida H. King	18,292
Minnie W. Schaefer	8,350
John T. Smith	17,417
William Kimbrough Pendleton	20,000
Z. T. Vinson Memorial	1,600
Florence M. Hoagland Memorial	5,165

E. Lee Perry	11,928
William H. Vodrey	28,067
Arthur C. Stifel	30,213
Campbell Allen Harlan	17,000
Perry and Aleece Gresham	5,625
Greensburg (Pennsylvania) Area	18,251
N. W. and Bessie Evans	5,000
Patrick A. and Elizabeth Berry	5,000
Forrest H. Kirkpatrick	10,623
Irene O. Darnall	3,275
Lotta A. Calkins	21,045
John E. Sugden, Jr.	2,000
Marion and Frank Dunn	2,000
Argyle Campbell	785
Chapman	1,075
Ministerial Training	3,515
National Campbell	1,738
H. J. Morlan	5,000
Herbert and Marguerite Rech	500

A
PICTORIAL PRESENTATION
OF



BETHANY COLLEGE

WITH EXCERPTS FROM ADDRESSES BY
PERRY EPLER GRESHAM
TWELFTH PRESIDENT OF THE COLLEGE



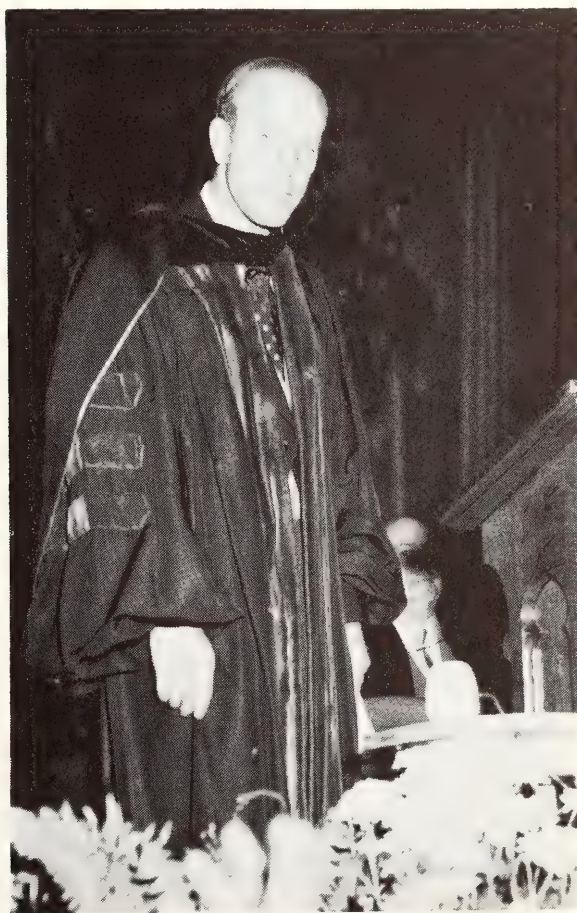
"Old Main"

"Bethany is an institution on which 'time has laid his hand' to mold and fashion for a destiny of true excellence."





Pendleton Heights — The President's Home



President Gresham



T. W. Phillips Memorial Library



"The ideal Bethanian is primarily an intellectual who is highly motivated towards mastery of the disciplines which our culture honors. He is a free man dedicated to learning."

*Harlan Hall
for Women*



*Campbell Hall
for Men*

*Lips Hall
for Women*





Bethany House

"Intelligent play is essential to h
living."



Dining Hall



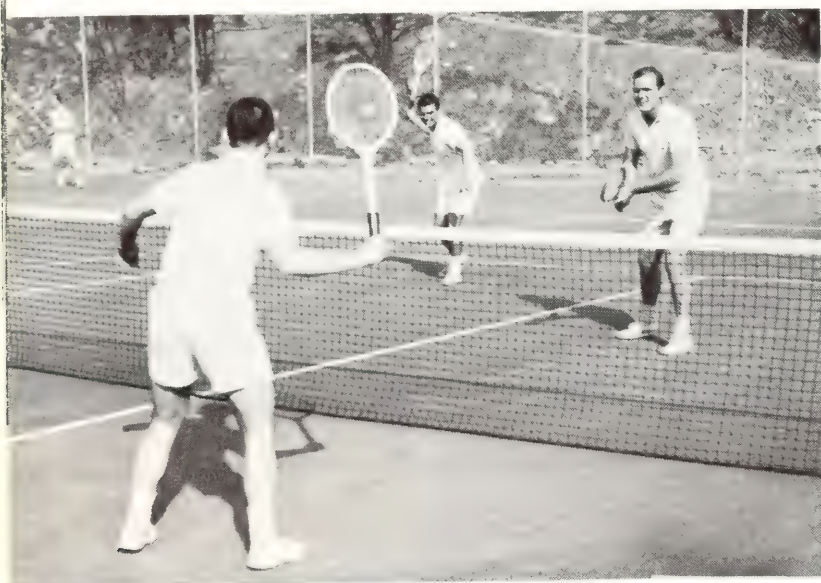
Picn



One of Five Fraternities

emporary civilization requires a person
n how to get along with people and
get along with himself."





"Not every Bethanian is an athlete, but each one is as physically fit as his inventory of health will allow. The playing fields of Bethany bring victories to the battlefields of the world. Only the strong can climb the campus hills."



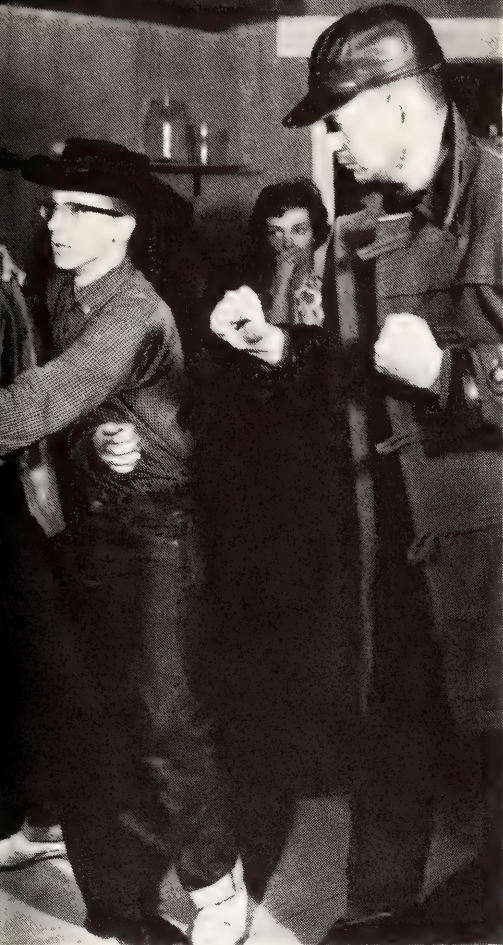


Oratorio Choir

"Creative interest in the fine arts with such knowledge as one needs to have a cultivated taste in what is truly beautiful, belong to a liberal curriculum."



Male Chorus



*Scene from
"Bus Stop"*

"Music and painting, sculpture and drama, with a host of comparable media for enjoyment, are important."



Scene from "Twelfth Night"



Individual Attention



Small Classes

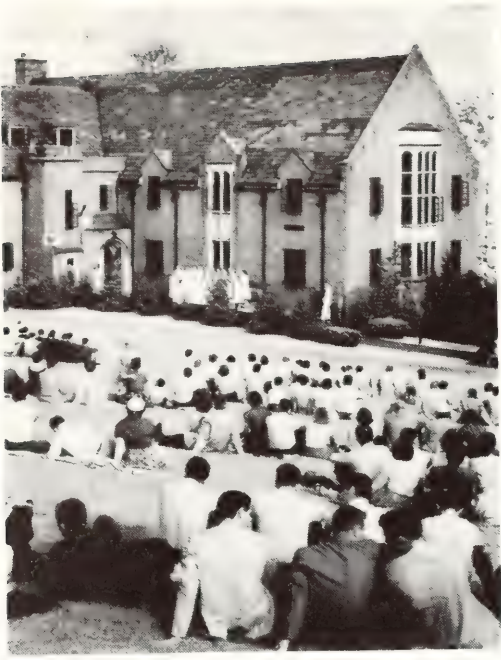
"The discipline of commu
is an effort to structure th
that promote mutual unders





"Enlightened participation in government and civic affairs is characteristic of a cultured man."









"Let her friends unite to extend her influence, encourage her faculties, inspire her students, and give witness to the truth she exemplifies and imparts."



121st Commencement



THE STUDENT

ADMISSION

BETHANY COLLEGE welcomes applications for admission from all those who consider themselves to be qualified and are sincere in their desire to enter the College. Admission is based on a careful review of all the credentials presented on behalf of the candidate and is on a competitive basis. The Committee on Admission and Academic Review accepts those it considers best qualified among those applying. In no case does the meeting of minimum standards assure admission.

Application for admission to the freshman class should be made to the Director of Admission, Bethany College, Bethany, West Virginia. A candidate should file his application as early as possible in the year in which he seeks admission, preferably before the completion of the first half of his final preparatory year. Decisions of the Committee on Admission and Academic Review are mailed to the applicants during February, March and April. Upon acceptance for admission applicants are expected to make an advance registration deposit of fifty dollars by May 1, the Candidates' Reply Date of the College Entrance Examination Board.

CREDENTIALS FOR ADMISSION

PROGRAM OF SECONDARY SCHOOL STUDIES

A candidate for admission is expected to complete a secondary school course which gives preparation for the work of a liberal arts college. Fifteen units of academic (college preparatory) work must be presented. Although the College does not prescribe how these subjects shall be distributed, it expects a minimum of four years of English with the usual sequences in mathematics, science, foreign languages and social studies.

Applicants from public high schools should be in the upper half of their graduating classes. Candidates from private schools and other specialized schools should have college certifying grades in all subjects. Supplementary evidence in the form of College Board Achievement Tests may be required in some instances.

EXAMINATIONS

The College requires that all applicants take the Scholastic Aptitude Test of the College Entrance Examination Board. The test is given several times during the year at many centers throughout the world. Bethany will accept the scores from the examinations at any of the testing dates, but prefers the December or January administration of the test. Application forms for the test are usually available at secondary schools, but they may also be secured by writing to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey.

INTERVIEW

Since Bethany is a small college and its members share a common life, the character and personal qualifications of students are of great importance. Every candidate should, therefore, have an interview if possible. Applicants who live near enough to Bethany to make the round trip in one day should arrange for an interview at the College.

The following visiting hours are suggested:

9:30-11:30 A.M.

Monday, Friday and Saturday

2:00-4:00 P.M.

Monday and Friday

Applicants living at a greater distance would profit greatly from an interview on the campus. However, if a trip to the College is not possible, an interview with an Admission officer when he is travelling in the applicant's vicinity may often be arranged.

REFERENCES

Three references from persons who know the applicant well are required. The Admission Office will write directly to the persons the applicant gives as references on his application blank.

HEALTH REQUIREMENTS

After the candidate's admission the parents and family physician will be asked to provide a medical history adequate for the understanding of any problems which arise. Each candidate must also provide evidence of having had a successful smallpox vaccination within a three year period prior to entrance.

EARLY DECISION PLAN

The Committee on Admission and Academic Review is willing to give consideration for early acceptance to any student whose first choice of colleges is Bethany. A candidate interested in applying for an early decision should submit all credentials during the summer following the junior year. In addition, the candidate should write a letter to the Director of Admission requesting an early decision on the basis that Bethany is the applicant's first choice. Applicants under the early decision plan are notified of the action of the Committee on Admission and Academic Review during October and November of their senior year in secondary school. Applicants for early decision who are not accepted may be reconsidered in the spring on the usual admission program.

ADMISSION WITH ADVANCED PLACEMENT

Entering freshman who pass the advanced placement tests, given in May by the College Entrance Examination Board, may,

with the approval of the Committee on Admission and Academic Review and the department concerned, be admitted with advanced standing. They will be credited with the same number of hours towards graduation as if they had taken the corresponding courses at Bethany; they will have satisfied the equivalent parts of the graduation requirement; and they will be eligible for admission to more advanced courses in the departments concerned. Information about these tests can be obtained from the College Entrance Examination Board.

Programs of advanced placement other than that of the College Entrance Examination Board may be used when evaluated by the Bethany College faculty.

ADVANCED STANDING BY TRANSFER

A limited number of students from other approved colleges may be admitted by action of the Committee on Admission and Academic Review. *All applications for admission from students for advanced standing must be accompanied by official certificates stating the nature and extent of college courses attempted or completed, and all disciplinary and academic items that belong to such a record.* Academic work ranked below "average" (grade C) will not be accepted. Not more than sixty-five hours will be allowed for courses completed in Junior College.

Some academic credit may be allowed for training courses and educational experiences in the Armed Forces according to the general pattern recommended by "A Guide to the Evaluation of Educational Experiences in the Armed Services" issued by the American Council on Education, provided such courses or experiences are appropriately related to a college of liberal arts and sciences.

A student transferring to Bethany cannot be granted a degree unless he has been in attendance at the College at least during his senior year.

ACHIEVEMENT TESTS

Any student who has anticipated the subject matter of any of the prescribed courses for baccalaureate degrees may make application to take an achievement test. If the results of this test indicate sufficient mastery of the subject the prescription may be waived. Passing the achievement tests will not give credit in hours toward the degree. The application for an achievement test should be made to the Committee on Admission and Academic Review. It should state the achievement tests which the student desires to take and the basis of his preparation for the test.

UNCLASSIFIED STUDENTS

A very limited number of mature students who are not candidates for a degree may be admitted to the College as "unclassified students." Approval for such enrollment will be given only if the applicant can satisfy the Committee on Admission and Academic Review that he can pursue the courses with profit, that he has a serious purpose in mind, and that he can meet the general requirements as to health, character and mental ability.

The College reserves the right at any time to require the withdrawal of a student when in its opinion his physical or mental condition is such that his interests and those of the College would be better served.

COLLEGE COSTS

BETHANY COLLEGE is a non-profit institution. Tuition, fees and other general charges paid by the student cover less than two-thirds of the College's instructional and operating expenses. The balance needed to meet the instructional and general expenses of the College comes from income from endowment funds, and from gifts and contributions from alumni and friends of the College.

Charges in residence halls and dining rooms are planned to cover the actual cost of operating these facilities.

Bethany College has always been known as a college of moderate cost. It proposes to continue to keep the cost to the student as low as possible consistent with the maintenance of adequate facilities and competent instruction.

ESTIMATED EXPENSES FOR A SEMESTER

For essential campus expenses, exclusive of such personal items as clothes, travel and amusements, and books, a student should budget from \$940 to \$1000 a semester, viz:

Tuition and fees	\$600.00
Room	\$100.00 to \$160.00
Board	\$240.00

The College is required to collect the West Virginia Sales Tax of 3% on published charges for room and board.

The College reserves the right to change the price for room and board without advance notice.

TUITION AND FEES

The tuition and fees charge for each semester is \$600.00 for eighteen credit hours or less. For each academic hour in excess of eighteen an additional charge of \$20.00 is made. Tuition for students carrying less than thirteen hours is \$48.00 per semester hour. No reduction is made in student accounts for course changes made after the first two weeks of the semester.

While a general charge is stated for Tuition and Fees, this may be divided into \$500.00 for tuition and \$100.00 for fees covering activities and services as follows: Athletics, Health Service, Library, Lectures, Plays, Concerts, the Annual, the Student Activities and Laboratory fees with the exception of Music and Practice Teaching.

APPLICATION FOR ADMISSION

All applications for admission should be made to the Admission office on forms supplied by the college. A non-refundable \$10.00 fee is required at the time formal application is presented.

APPLICATION FOR READMISSION

Students who have been previously enrolled in Bethany College who wish to return for additional college work must file an Application for Readmission with the Admission office. A \$5.00 fee is required at the time such application is presented.

REGISTRATION DEPOSIT

Upon acceptance for admission or readmission, a non-refundable registration deposit of \$100 is required of all students in accordance with instructions provided in the acceptance letter.

This deposit is applied to the student's account at the beginning of the final term prior to graduation.

Students not being graduated may have the deposit applied to their account the last term of their attendance if written notice is given to the Business Office prior to the advance enrollment date for the next regular term.

MATRICULATION FEE

This fee of \$10.00 is payable once by every new student. It covers, in part, the cost of orientation and evaluation procedures for new students.

WITHDRAWALS AND REFUNDS

A student wishing to withdraw from Bethany College must file written notice with the Registrar to qualify for refunds of deposits and adjustment of other charges.

In case a student withdraws from college during the semester, because of sickness or other causes entirely beyond his control, tuition and board are refunded on a pro rata basis figured from the end of the week in which withdrawal takes place. Students dismissed or requested to withdraw by the College are not entitled to any return of fees. Scholarships and grants are not applied on the accounts of students who withdraw before the end of the semester. Special fees are not refunded.

RESIDENCE FACILITIES

With the exception of commuters all students are required to live in college residences or fraternity houses unless excused by the Dean of Students.

The women's residences are Phillips Hall, Ivabell Harlan Hall and Morlan Hall with single, double and multiple occupancy accommodations available.

The men's residences are Campbell Hall, Cochran Hall and McLean Hall with single and double accommodations available.

There is also a Gateway Hall, a supplementary residence for upperclass students with single and double accommodations.

Students living in college operated residences are expected to furnish curtains, bed linen, blankets, bedspreads, pillow, towels, study lamps and rugs. They are expected to care for their own rooms and to keep them clean and in good order at all times.

LINEN SERVICE

For the convenience of the student there is available a commercial linen service, supplying at fixed fee per semester, sheets, pillow cases, and towels each week while the College is in session. Arrangements are made for this service by the students with the custodians of the college residences.

OPERATION OF COLLEGE HALLS

Room assignments in all college residences are made by the office of the Dean of Students and are for the academic year.

Residence halls will be open for freshmen for each semester the day before Freshman Week begins and for all other students the day before Registration Day. Residence halls will be closed and students are not expected to stay in Bethany when college is not in regular session.

Bethany College reserves all rights in connection with the assignment, termination of occupancy and reassignment of rooms in all residences.

FRATERNITY AND SORORITY HOUSES

Five national fraternities and four national sororities maintain active chapters on the Bethany campus and have residence accommodations for a limited number of members.

The maintenance of proper conduct and discipline in the five fraternity houses is a direct responsibility of the Dean of Students.

DINING HALLS

All resident students are required to eat in college dining halls unless excused by the Dean of Students. No refunds are granted for meals missed.

MISCELLANEOUS FEES

These fees are applicable for the specific course listed. They are charged only to students enrolled in such courses.

Education 443, 475, (each hour)\$ 6.00 per semester

MUSIC FEES

Private Lessons, one lesson a week\$48.00 per semester

Private Lessons, two lessons a week\$85.00 per semester

Instrument Rental\$ 5.00 per semester

Organ Practice, one hour each day\$25.00 per semester

Piano Practice, one hour each day\$ 5.00 per semester

OTHER SPECIAL FEES

Application Fee for all new students\$10.00

(This fee must be paid before any action
is taken on application for admission)

Application Fee for all former students	\$ 5.00
(This fee must be paid before any action is taken on application for re-admission)	
Registration Deposit (see page 39)	\$100.00
Auditing a course, per semester hour	\$20.00
(A student is not charged if he is paying regular tuition and fees and the total program, including the audit, does not exceed 18 hours)	
Comprehensive Examination	\$25.00
(For students not in residence or for special examination)	
Each academic hour when less than thirteen ..	\$48.00 per semester
Each academic hour in excess of eighteen . . .	\$20.00 per semester
Each change in registration after registration day	\$ 2.00
Graduation Fee	\$15.00
Guidance and advisory service (pre-college)	\$10.00 to \$25.00
Health Insurance	\$5.50 per semester
(Optional with student)	
Infirmary charge per day	\$ 4.00
(After first three days each semester)	
Late registration (per day)	\$ 3.00
Matriculation Fee	\$10.00
Special Examinations in any department or course	\$ 5.00
Special placement or achievement test in any department ..	\$ 5.00
Transcript fee for transcript or copy of academic record (After first issue)	\$ 1.50
Lock Deposit for Physical Education Courses	\$ 3.00
(Refunded if the lock or key is returned to Physical Education Department)	
Key Deposit for Dormitories	\$ 3.00
(Refunded if returned to Buildings and Grounds)	

BREAKAGE AND GUARANTEE DEPOSITS

These deposits are made to cover actual costs of special services and loss or breakage of material lent to the student. Unused portions will be refunded.

Biology 230	\$ 7.00 per semester
Biology 343, 344, 346	\$ 3.00 per semester

Chemistry breakage and guarantee deposits are covered by a \$5 breakage card purchased by each student each semester for each laboratory course in which he is enrolled. In the event the breakage is in excess of \$5 per course per semester, an additional \$5 breakage card must be purchased. Unused portions will be refunded at the end of each academic year.

PAYMENT OF STUDENT ACCOUNTS

At the time of registration an invoice is prepared for each student, listing all charges due the College for the semester. Payments are due in accordance with the following:

Students are required to pay \$350.00 by September 10 for the first semester, and the balance due on the registration invoice must be paid by November 1. For the second semester, \$350.00 is payable by January 15, and the balance due on the registration invoice must be paid by March 15. All special student accounts for which total semester charges are \$350.00 or less are payable in full at registration.

Students will not be permitted to register if the initial payment requirements for each semester are not met, and they may be denied College privileges if subsequent payments are not completed as scheduled.

Checks or drafts should be written payable to Bethany College.

An account service fee of 2% per month will be charged on balances outstanding on all student accounts as of November 1 for the first semester and March 15 for the second semester. This fee will be entered on all accounts the day following the above dates and at 30-day intervals thereafter for a period not to exceed 90 days.

Students may not take final examinations, receive academic credit or obtain transcripts or grades until satisfactory arrangements are made to cover financial obligations.

MONTHLY PAYMENT PLANS

The College has made arrangements with the Insured Tuition Payment Plan, Education Funds, Inc., and The Tuition Plan, Inc. whereby student accounts may be paid on a monthly basis during the year. Arrangements to use any of these plans should be made prior to the registration period. Information concerning these may be obtained by writing to the Business Office, and contract forms may be obtained by writing the Insured Tuition Payment Plan, 38 Newbury Street, Boston 16, Massachusetts; Education Funds, Inc., 10 Dorrance Street, Providence 3, Rhode Island; or The Tuition Plan, Inc., One Park Ave., New York 16, New York. Contracts are to be completed by the parent or guardian of the student by direct negotiation with the payment plan offices indicated.

STUDENT DRAWING ACCOUNT

The Business Office provides a limited banking service whereby students may deposit funds and draw on them as required. Either students or their parents may make deposits to the student's drawing account. The only charges for this service are the established rates of exchange for handling checks and its use is recommended. This avoids the necessity of the student keeping on hand any substantial amount of money.

FINANCIAL AIDS

BETHANY COLLEGE provides limited financial assistance to promising and deserving students through scholarships, grants, and loans to the extent that designated funds permit. There are also limited opportunities for student employment.

Candidates for admission to the freshman class who wish to apply for any form of financial aid must submit the Family Financial Statement through the College Scholarship Service, Box 176, Princeton, New Jersey not later than March 1st. All necessary forms must be received by the Admission Office not later than March 15. No special examinations are required of financial aid applicants but candidates for scholarships must take the College Board Scholastic Aptitude Test not later than February of the year of college entrance, since no applicant will be considered for assistance until accepted for admission. College Scholarship Service forms will be available in secondary schools on October 1, 1962.

Upperclassmen should make application in writing to the Committee on Scholarships and Financial Aids before the end of the current academic year.

Financial aid cannot be given to all who apply, but students of ability who need assistance are encouraged to apply. So many students of genuine need and without other resources ask for help from the College that those who can obtain assistance from relatives or friends should do so. The Committee makes awards on the basis of academic accomplishments, constructive citizenship, and financial need. All awards are credited against college charges.

SCHOLARSHIPS

Bethany College recognizes promise and intellectual attainment by awarding a number of scholarships. These awards vary in value and are available to a limited number of entering students. Most scholarships are awarded to freshmen on a four-year basis, but they are subject to review and continuation or cancellation at the end of each year. They are continued from year to year only if the recipient has met the following conditions:

1. His scholarship index must average 2.50 in each academic year.
2. His financial obligations to the college must be met promptly.
3. His influence on the student body should be, in every sense, wholesome and helpful.
4. He shall make a worthwhile contribution to the life of the college and the college program.

It is understood that the following reasons will operate to cancel any particular scholarship award at the end of any academic year:

1. Failure to maintain the required scholarship index.
2. Serious academic censure for any cause.
3. Unsatisfactory deportment.
4. Withdrawal from college.
5. Failure to contribute in a constructive manner to college activities.

GRANTS

Grants are available, as far as possible, for those who could not obtain an education without such help and who, because of their good all around high school and college performance, are worthy of assistance. These grants vary in amount. A recipient of a Grant must remain in good standing for the duration of his grant, and if for any reason he is placed on probation, financial assistance may be withdrawn.

LOAN FUNDS

The Phillips Loan Fund was established in 1890 by the gift of Thomas W. Phillips, Sr., of New Castle, Pennsylvania, in the amount of \$10,000. Principal and interest in this fund are lent to students preparing for the Christian Ministry.

The Claude Worthington Benedum Scholarship Loan Fund in the amount of \$28,500 was established by the Claude Worthington Benedum Foundation. Loans from this fund are made to Bethany students who are bona fide residents of West Virginia, are in need of financial aid, and meet requirements for such assistance as established by the faculty.

The National Defense Student Loan Fund. The Federal Government established in 1959 a loan program for undergraduate students in which Bethany College participates. First preference is given to outstanding applicants who intend to enter the fields of education, science or foreign language. Application information may be obtained from the Admission Office or the Business Office.

Applications for loans must be made to the Committee on Scholarships and Financial Aids.

STUDENT EMPLOYMENT

Limited opportunities for students to earn money for college expenses are afforded, but under no circumstances is it possible for a student to earn all of his expenses. The College may not be able to provide student employment of any kind beyond \$200 as a total for any one year.

Applications for student employment must be filed on a proper form. A careful study of the student's needs and general welfare will be made by the committee caring for student employment as each application is considered. Applications for student employment should be filed with the Dean of Students.

MINISTERIAL TRAINING AWARDS

Students who are preparing for a church vocation in the fields of ministry, religious education, missions, etc., may be able to receive financial aid through grants that are made possible by contributions from churches and individuals. This program is under the supervision of the Director of Ministerial Training. It is provided primarily for those who are preparing for a church vocation with the Christian Churches (Disciples of Christ). Some financial assistance is available to those preparing for this type of service with other religious groups. Continuation of these awards requires satisfactory academic performance in each academic year.

THE GANS FUND AWARDS

A fund of \$50,000, established by Wickliffe Campbell Gans of the Class of 1870 and Emmett W. Gans, in memory of their father and mother, Daniel L. and Margaret Gordon Gans, the income of which is to be awarded to juniors and seniors at Bethany College and to graduates of Bethany College engaged in study and research at Bethany or elsewhere who have shown "evidence of merit and promise in the field of science." Funds so awarded will be available for approved study and research in some specific field.

SCHOLARSHIP FUNDS

The College recognizes, with appreciation, the gifts of specially designated funds which not only provide lasting memorials for individuals and families, but also make possible scholarship grants to undergraduates who otherwise would find it difficult to remain in college.

The following scholarships have been especially designated by friends of the College and are part of the total resources available for financial aid to students:

Mary A. Morrison Scholarship—This is a scholarship covering part of the cost of tuition.

Isaac Mills Scholarship—This scholarship covers a part of the tuition charge of a ministerial student.

G. A. Willett Scholarship—This scholarship of \$80 per semester applies on tuition. The student receiving this scholarship is to be nominated by a member of the Willett family.

Isaac Brown Scholarship—This scholarship provides \$30 per year to apply on tuition.

Albert C. Israel Scholarship—This scholarship yields \$20 per year to apply on tuition of a descendant of Albert C. Israel.

Jennie I. Hayes Scholarship—The income from a fund of \$5,000 is awarded for the purpose of helping students who are preparing for the mission field or the ministry. The students who receive the benefits of this scholarship may be nominated by the donor.

Ida M. Irvin Scholarship—The income from a fund of \$5,000 is awarded to students who have reached the senior year in their college course.

Herbert Moninger Scholarship—A scholarship fund of \$2,500 established in memory of Mr. Herbert Moninger, a graduate of the class of 1898. The income is used to aid a student or students preparing for religious education.

Josiah Wilson Scholarship—A scholarship fund in the amount of \$2,576 established by Josiah N. Wilson in memory of Josiah N. and Wilminia S. Wilson. The income is used to aid a student or students preparing for the Christian ministry.

The John H. and Ida H. King Scholarship Fund—The income from a fund of \$18,292 is awarded to students at Bethany College under terms approved by the Trustees of the College in accordance with the will of the donors.

M. M. Cochran Scholarship—Scholarships covering a part of the tuition charge.

Minnie W. Schaefer Awards—The income from this fund of \$8,350 is awarded to a student or students preparing for definite Christian service.

J. T. Smith Awards—A fund of \$17,417 established by Mr. J. T. Smith of Memphis, Tennessee, the income of which is available for students preparing for the Christian ministry or some other form of Christian service.

William Kimbrough Pendleton Scholarship Fund—A fund of \$20,000 set up by Clarinda Pendleton Lamar in memory of her father, William Kimbrough Pendleton, member of the first faculty and second president of the College (1866-1889), the income of which is available each year to one or more citizens of West Virginia. These awards may be in the form of loans or outright gifts as determined by the Committee on Scholarships and Financial Aids.

Vinson Memorial Fund—A fund of \$1,600 established by Z. T. Vinson, of the Class of 1878, through the Central Christian Church of Huntington, West Virginia, the income from which is available to students preparing for the Christian ministry.

Florence M. Hoagland Memorial Scholarship—A fund of \$5,165 established by Miss Frances Cables of Woodstock, New Hampshire, for the establishment of a scholarship in memory of Florence M. Hoagland, Head of the Department of English and Advisor for Women at Bethany from 1936 to 1946, the income of which is available to students approved by the Committee on Scholarships and Financial Aids.

Perry Scholarship Fund—A fund of \$11,928 established in memory of Professor and Mrs. E. Lee Perry. Professor Perry was a graduate of the College in the Class of 1893, Professor of Latin at the College from 1908 to 1939 and Professor Emeritus from

1939 to 1948. Under the terms of this gift, the income of this fund is to be used to aid students preparing for the Christian ministry.

William H. Vodrey Scholarship—A fund of \$28,067 established by Mr. William H. Vodrey, a member of the Class of 1894, the income of which is to be used to assist a student or students from the area around East Liverpool, Ohio.

Arthur C. Stifel Scholarship—A fund of \$30,213 established by Mr. and Mrs. Arthur C. Stifel of Wheeling, the income from which is to be used to assist a student or students from the Wheeling area.

Newton W. and Bessie Evans Scholarship Fund—A fund of \$5,000 established by Mr. Newton W. Evans, the income from which is to be used to assist worthy students in furthering their education at Bethany College.

The Oreon E. Scott Foundation Scholarships—A grant from the Trustees of the Oreon E. Scott Foundation provides scholarships covering part of the tuition costs for the junior and senior year to those students preparing for the Christian ministry who have the highest scholarship index for prior years.

Campbell Allen Harlan Scholarship—A fund of \$17,000 established by Mr. Campbell Allen Harlan of Detroit, Michigan, the income from which is to be used to assist students of unusual ability in the fine arts to further their education at Bethany College.

Perry and Aleece Gresham Scholarship—A fund of \$5,625 established by Detroit friends as a gift to Dr. and Mrs. Perry Epler Gresham in appreciation of his ministry at Central Woodward Christian Church. The income from this fund is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Greensburg Area Scholarship Fund—A fund of \$18,251 established anonymously in 1953, the income from which is to be used to assist students of ability and need, from the Greensburg, Pennsylvania, area to attend Bethany College.

Patrick A. and Elizabeth Berry Scholarship Fund—A fund of \$5,000 established by Miss Sara Cameron, the income from which is to be used to assist students of ability and need, from the Counties of Homes and Knox in the State of Ohio, whenever possible.

Forrest H. Kirkpatrick Scholarship—The income from a fund of \$10,623 is awarded for the purpose of helping students who are sons or daughters of alumni.

Irene O. Darnall Scholarship—A fund of \$3,275 established by Irene O. Darnall, the income from which is to be used to assist needy and worthy students of Bethany College.

Lotta A. Calkins Scholarship—A fund of \$21,045 established by Lotta A. Calkins, the income from which is to be used to assist needy and worthy students who are preparing for full time Christian service in ministry and missions.

John E. Sugden, Jr. Fund—A fund of \$2,000 to render assistance in the forms of loans and grants to students who are preparing to become ministers of the Christian Church.

Marion and Frank Dunn Scholarship—A fund of \$2,000.00 the income from which is to assist worthy and eligible students designated by the Committee on Scholarships and Financial Aids.

Harry L. Ice Timothy Ministerial Endowment Fund—A revocable trust producing an annual income of approximately \$1,600 established by Mr. and Mrs. Robert H. Lee of Pittsburgh, Pennsylvania, honoring Dr. and Mrs. Ice in recognition to Dr. Ice for his highly productive and untiring work in establishing and building the "Timothy Ministerial Training Program." The income from this trust is to be used to assist students of ability and need who are preparing for full-time Christian service in the fields of ministry, religious education, missions, and other church vocations.

A. Dale Fiers Ministerial Athletic Scholarship—An annual award of \$100.00 to recognize and encourage the scholastic and athletic skill of an outstanding upperclassman preparing for the Christian ministry.

National Campbell Scholarship—An endowment fund established in memory and honor of Alexander Campbell. Awards are in recognition of Christian service and academic accomplishment to develop able and dedicated lay leadership in the Christian Church. Nomination for these awards is made by the local minister and the awards are granted by the Committee on Scholarships and Financial Aids.

Rhodes Scholarships—Men who have completed their sophomore year at Bethany are eligible to compete for the Cecil Rhodes Scholarship, tenable for three years at Oxford University, England. These scholarships are awarded on the basis of character, scholarship, athletic ability, and leadership, in extra-curricular activities. Further information may be obtained from the Dean of Students.

Departmental Fellowships—Certain members of the junior class are designated as Senior Fellows for the following year. The selection is made only of Students who have attained unusual excellence in their major study and who, by character and ability, can do special work in a department as an assistant in instruction and research. The Senior Fellowship carries a small stipend. No more than six Senior Fellowships are awarded in any one year. The selection of Senior Fellows is made by the Committee on Honors from the nominations of the department heads.

Foreign Exchange Fellowships—Each year at least two students direct from foreign countries come to Bethany to study on fellowships provided by the college administration. These students come to interpret their own people and their national culture to American student life. These awards are made only to students who are recommended by the Institute of International Education.

STUDENT ORGANIZATIONS AND ACTIVITIES

A CAMPUS LIFE rich with many and varied undergraduate interests is generally recognized as one of the advantages of Bethany. Such a personal enrichment grows naturally out of the friendly relationships between students and faculty and offers an opportunity for the expression of the desires of the individual student.

STUDENT GOVERNMENT

The government and direction of student interests and student activities is the responsibility of the Student Board of Governors elected by the student body as a legislative, executive, and judicial body. Matters pertaining to athletics, student publications, social affairs and general student interests are given attention. A part of the General Fee is used by this board for the various student organizations. The board cooperates with the college administration and faculty in building an intelligent appreciation of social responsibility in the college community life.

The Association of Women Students, of which every woman student is automatically a member upon her entrance into college, gives the college woman a better opportunity for experience in leadership and for sharing with the College the responsibility for her conduct.

RELIGIOUS LIFE

One of the expressed aims of the College is "To provide higher education in an atmosphere sympathetic to Christian ideals and Christian faith and to conserve and develop the moral character and religious life of its students." The aim is meant to bear upon instruction, counseling, and social life as well as formal religious services.

Some of the student assemblies on Thursday of each week are designed as Religious Chapel. Attendance is obligatory for all students. The Chapel Services are planned by a committee of faculty and students. The program consists of a brief devotional service and a short address on some vital religious matter.

Every effort is made to make these Chapel services non-sectarian and non-denominational. Representatives of the Christian and Jewish faiths are included among the visiting speakers. The devotional services make use of materials from many religious traditions.

STUDENT MEMBERSHIP

Many of the students at Bethany College find an opportunity for expression of their religious faith in the Bethany Memorial Church. Students may affiliate as Student Members at the church and participate as ushers, Deacons, and Sunday School teachers. Any student who is a member of a church in his home community is eligible for student membership.

The program for students at the church includes a College Class for Bible study and group discussion on religious themes, and morning worship each Sunday morning.

The minister of the Bethany Memorial Church, who is also the College Chaplain, is available to students for counseling and advice on personal and religious matters.

ENCOUNTER

The interdenominational campus religious program administered by the Office of the Chaplain is called "Encounter." Encounter consists of four main divisions: the church and worship, the church and contemporary arts, the church and society, and the church and thought. Each division consists of two faculty advisors and from 10 to 15 students representing a cross-section of the student body. Vesper services are planned once each month and a special campus discussion program is offered once each month. Encounter involves not only discussion of religious issues, but also provides opportunity for actual service projects and field trips to various areas of social unrest and change. All interested students are invited to participate in this program.

CHRISTIAN LIVING EMPHASIS WEEK

Christian Living Emphasis Week, more familiarly known as CLEW, is planned and directed by a Campus Committee of students and faculty. CLEW brings to the campus nationally known leaders of various beliefs. Chapel services, class periods, residence halls, fraternity and sorority houses are thrown open to these leaders in an effort to convince each student of the importance of religion in life. Special "bull sessions," discussion groups, and personal conferences are also a part of the program.

EASTER DEVOTIONALS

A student committee of representatives from "Encounter" plans and presents a series of noon-day devotional services throughout the week before Easter. Music, art, devotional materials, and drama are used to provide a background for a personal experience of worship.

COURSE IN BIBLICAL RELIGION

A six-hour course required of all students includes a survey of

the Bible and an introduction to contemporary religious bodies in America, with attention to the religious movement which gave Bethany College its origin and continuing relationships. The Bible has been a textbook at Bethany since its founding.

MINISTERIAL ASSOCIATION

Students who are preparing for a life work in the Christian Ministry or missionary service or religious education are invited to become members of the Ministerial Association. Meetings are held throughout the college year, in which matters relating to the field of Christian service and the church are discussed.

CHURCH CHOIR

The church choir sings each Sunday morning at the Bethany Memorial Church and functions as a community church organization in co-operation with the general work of the congregation. Non-restricted as to size; membership by audition.

MUSIC

TOURING TWENTY CONCERT CHOIR

A select choir of twenty mixed voices for performances on campus and away from Bethany. Both sacred and secular literature are included in the repertoire, with emphasis on the great traditions of *a cappella* choral music. The Touring Twenty has sung in most of the eastern and mid-south states and in Germany and Scotland.

MALE CHORUS

A chorus of thirty-six select voices. The repertory is quite varied with emphasis on serious works. There is usually a spring tour of high schools and churches.

ORATORIO CHORUS

A large combined choir for the annual Christmas performance of Handel's "The Messiah," and for one larger work during the spring semester.

SYMPHONY ORCHESTRA

Newly formed in 1960, the orchestra is open to all who can qualify. Emphasis is on standard symphonic repertoire, developing reading ability, and pre-professional ensemble playing.

COLLEGE BAND

Eligible members of the orchestra and other ensembles join forces to act as a pep band in football season and for special occasions.

BRASS CHOIR

Appears in formal convocations, in concert, and in the spring gives Sunday afternoon Tower concerts featuring Baroque music. Open to qualified players by audition as vacancies occur.

CHAMBER MUSIC

Woodwind quintets, string quartets, and smaller ensembles are open to all who play orchestral instruments.

WHEELING SYMPHONY

There is opportunity for really adept orchestral musicians, especially string players, to play in the Wheeling Symphony, a fine orchestra with very high standards of performance. To be admitted into the orchestra, one must audition with the Symphony's director.

DRAMA

The Theater of the College offers experience to students with dramatic talent in the writing and producing of plays. Several plays are presented during the year. The work is correlated with the courses in Play Direction and Production and in Acting, under the supervision of the Department of Speech and Drama. Every effort is made to give this work a distinctly educational value both to performers and to audiences. Practically any student with an interest in dramatics may become a member of the campus dramatic club, Sock and Buskin. Exceptional students are eligible for election to Alpha Psi Omega, the national dramatic fraternity.

ATHLETICS AND RECREATION

Intercollegiate athletics are considered an integral part of the Physical Education program, and are promoted to furnish those students who possess a high degree of skill in a variety of physical activities an opportunity to compete with students from other institutions with similar standards. Through such competition students should develop confidence, perseverance, courage, emotional control and a spirit of competition.

Intercollegiate sports at Bethany College include football, basketball, baseball, track, tennis, golf, cross country, and swimming. Membership is held in the Presidents' Athletic Conference. Games and meets are regularly scheduled with colleges in neighboring states.

Healthful athletic recreation is provided for the entire student body by an intramural program which includes a complete schedule of team sports. This program is supervised by the Director of Intramural Athletics, a member of the staff in the Department of Physical Education.

The Women's Recreation Association encourages the participation of all women in a program of physical education and recreation. Facilities are provided for basketball, volley ball, tennis, hockey, speedball, swimming, and archery. The W. R. A. sponsors an invitational Play Day for students of area high schools and in addition, is host to delegations from tri-state colleges several times during the college year.

PUBLICATIONS

Student journalistic ventures consist of a weekly newspaper (the *Bethany Tower*), the college year book (the *Bethanian*), the *Student Handbook*, and *The Literary Harbinger*. These publications are edited and published by the Student Board of Publications, which in turn reports to the Student Board of Governors. The Departments of Journalism and English provide professional guidance for these publications.

Pi Delta Epsilon, national journalism fraternity, is active on the campus. Its primary purpose is to perpetuate efficient student publications and to work for the advancement of journalism in extra-curricular life. The managerial personnel for the student publications is usually found in Pi Delta Epsilon.

FRATERNITIES

Nine national social fraternities and sororities have active chapters at Bethany College.

The fraternities for men are: Alpha Sigma Phi, Beta Theta Pi, Kappa Alpha, Phi Kappa Tau, and Sigma Nu. The sororities for women are: Alpha Xi Delta, Kappa Delta, Phi Mu, and Zeta Tau Alpha.

The Inter-Fraternity Council, composed of representatives from each of the fraternity chapters, acts as the coordinating agency in fraternity affairs and activities. The Pan-Hellenic Board directs the activities and "rushing" season for the sorority chapters.

INITIATION

Students shall not be initiated into any fraternity or sorority until they have satisfied the entrance requirements of the college, and have completed fifteen hours of resident academic work.

For pledging or initiation, a student must be in good standing with respect to college financial obligations as well as in good standing at the college both academically and socially.

CLUBS AND ASSOCIATIONS

Several active clubs and societies are sponsored by various departments in the college. The nature of the French Club, Sociology Club, Chemistry Club, German Club, Spanish Club, Economics Club, International Relations Club, and Psychology Club is explained by their titles. Papers dealing with appropriate topics are presented by students, faculty members and out-of-town speakers.

Young men and women of the student body preparing for full time Christian Service are eligible for membership in the Ministerial Association.

The H. T. McKinney Chapter of the Student National Education Association was chartered at the college in the fall of 1942.

A chapter of Student Affiliates of the American Chemical Society was founded at Bethany in 1948.

RECOGNITION OF STUDENT ACHIEVEMENT

BETHANY COLLEGE undertakes to encourage superior achievement in scholarship and outstanding leadership in student affairs by public recognition at Commencement, on Honors Day and on other suitable occasions.

GRADUATION HONORS

Students who have done academic work of unusual merit will be graduated with honors, viz., Summa Cum Laude, Magna Cum Laude or Cum Laude. The awarding of honors is determined upon the basis of total quality points earned, standing in the Senior Comprehensive Examination, and the recommendation of the Senior Counselor in charge of the student's field of concentration.

Students who make an unusual record on the Senior Comprehensive Examination are listed at graduation as having "Passed With Distinction."

CLASS HONORS

Upper division students of the College who complete the academic work of any one year with a scholarship index of 3.50 are recognized for "First Honors" for the year, and those who complete the academic work of any year with a scholarship index of 3.25 are recognized for "Second Honors" for the year. Lower division students of the College who complete the academic work of any one year with a scholarship index of 3.25 are recognized for "First Honors" for the year, and those who complete the academic work of any one year with a point average of 3.00 are recognized for "Second Honors" for the year.

SEMESTER HONORS LIST

At the end of each semester, a list of students who have rated high in academic attainments as attested by scholarship index are designated as "Students Distinguished in Scholarship." This distinction is determined by the Committee on Honors.

SENIOR FELLOWSHIPS

Certain members of the junior class may be designated as Senior Fellows for the following year. The selection is made only of students who have attained unusual excellence in their Field of Concentration and who, by character and ability, can do special work in a department as an assistant in instruction or research. No more than six senior fellowships are awarded in any one year. The selection of Senior Fellows is made by the Committee on Honors from the nominations of the department heads.

HONORARY ORGANIZATIONS

Gamma Sigma Kappa is the honorary scholastic fraternity founded at Bethany College in 1932. Students maintaining a

scholarship index of 3.25 for four consecutive semesters, provided that in no semester their scholarship index falls below an average of 3.00, are, upon recommendation by the faculty Committee on Honors, eligible for membership.

Bethany Kalon is an honor society established in 1948 to give recognition to students who have demonstrated competent and unselfish leadership in student activities, have been constructive citizens of the college community, and have maintained high standards of personal character. It is open only to juniors and seniors. Selection is made by the members of the society with the advice and approval of the Committee on Honors.

The West Virginia Delta Chapter of Pi Gamma Mu is an honorary social studies fraternity. Students maintaining a high scholarship index in twenty semester hours of social studies are eligible for membership.

Alpha Phi Chapter of Beta Beta Beta is an honorary society for students of the biological sciences. Its purpose is to stimulate sound scholarship, to promote the dissemination of scientific truth, and to encourage investigation in the life sciences.

Iota Theta Chapter of Sigma Tau Delta is an honorary English fraternity. Membership is limited to students who have maintained a scholarship index of 3.2 in 15 semester hours of English and a total scholarship index of 2.8.

Tau Chapter of Omicron Chi Epsilon, National Honor Society in Economics, was established at Bethany College in December, 1960. Membership is limited to students of at least Junior standing, who have completed twelve or more semester hours of courses in Economics with an average of B plus or higher, and whose grade average in all courses is at least B.

AWARDS

The Oreon E. Scott Award is made each year to the graduating senior who has achieved the highest academic record over the four-year period. The donor of this award was a Bethany graduate of the Class of 1892.

The Anna Ruth Bourne Award is planned to stimulate scholarship among the women's social groups. This is a silver cup, provided by an anonymous donor, awarded to the active and bona fide women's social group whose active membership earned the highest scholarship standing each semester. The group winning the cup for four semesters is presented with a smaller replica as a permanent trophy.

The W. Kirk Woolery Award is offered to encourage scholarship among the men's social groups. This is a silver cup, donated by friends of the late Dr. Woolery who was Dean and Provost of the college. This cup shall be held by the active and bona fide men's social group whose active membership earned the highest

scholarship standing during the preceding semester. Any group winning the cup for four semesters will be presented with a smaller replica as a permanent trophy.

The Outstanding Junior Woman Award is provided by the Pittsburgh Bethany College Club, comprising the college alumnae of Pittsburgh. This award is based on qualities of leadership, character, conduct, and scholarship. The club has placed a suitable plaque in Phillips Hall on which the names of the winners are engraved. In addition, an individual gift is made each year to the person designated.

The W. F. Kennedy Prize is given each year to the outstanding young man in the junior class. This award, established by Mr. W. F. Kennedy of Wheeling, West Virginia, is awarded on the basis of his contribution to the college community life through leadership in activities, personal character, and scholarship.

The Freshman Writing Award is open to all Bethany freshmen and is judged on the merit of three types of writing: the essay, the short story, and poetry. The judging of the contest is under the direction of the Department of English.

The Shirley Morris Memorial Award, established by Theta chapter of Zeta Tau Alpha, in memory of Shirley Morris, a loyal member and past president of the chapter, is given annually to the outstanding student in the field of modern languages. Selection is made by the Modern Language Department of Bethany College.

The Beta Beta Beta Award, established by an anonymous donor, is an annual award made to the senior student majoring in Biology who has attained the highest academic rank in this field of concentration.

The Florence Hoagland Memorial Award, given by a graduate of the Class of 1944, is presented each year to the outstanding English major in the graduating class. The award honors the memory of the late Miss Hoagland, who was for many years Professor of English at Bethany.

The Cammie Pendleton Awards, named in honor of Miss A. Campbellina Pendleton, Professor of Language and Literature of Bethany from 1884 to 1909, are presented annually to the outstanding junior and sophomore majoring in English. They are the gift of a graduate of the Class of 1956.

The Sigma Tau Delta Prize in English, given by a member of the class of 1950, is presented each year at Commencement to the English major who has attained the second highest rank in English.

The E. E. Roberts Distinguished Prize in Campus Journalism, is awarded annually to an outstanding student who excels in work on a student publication, academic work in the Department of Journalism, or both.

STUDENT HEALTH

THE COLLEGE recognizes its responsibility for the physical well being of its students and undertakes to provide adequate facilities and procedures to safeguard their health. Attention is given to the prevention of illness or accidents as well as to treatment and cure.

THE COLLEGE INFIRMARY

The College Infirmary, in charge of the College Nurse and her assistants, is open while the College is in session. It includes the physician's office, dispensary, treatment rooms, medicine room, and wards for men and women.

The College Physician is at the infirmary each day for consultation, examination, and treatment without charge. Students may not call or request nursing services outside the infirmary.

DISPENSARY

Each student is expected to report any illness to the college dispensary. The Head of Residence in any college facility should be advised at once if a student is ill and unable to report to the dispensary. In the event of contagious or infectious disease, students will be expected to observe all regulations which may be prescribed by the college officers or public health officials.

Arrangements can be made for vaccinations, cold serums and special treatments at the college dispensary. No extensive medical or surgical procedures are carried out at the infirmary, but all minor ailments will be cared for, and some medicines will be supplied.

EXAMINATION AND TREATMENT

All students registering for the first time at Bethany are advised to bring a record of a recent and thorough physical examination by their family physician. Those who have not done so will be examined by the College Physician and may be required to follow his recommendations.

When medical care is needed outside the infirmary, advisory assistance in securing outside services will be given but the expense of such treatment must be paid by the student.

Students are free to employ either the College Physician or a physician of their own choice in any case of illness. Well-trained physicians are available in Wellsburg and Wheeling.

HEALTH COURSE

Instruction in health is offered in the classroom. A course in personal hygiene or its equivalent (Biol. 101) is required of all students, preferably in the freshman and sophomore years.

INFIRMARY CARE

In case of need, each student is entitled to three days per semester of resident care in the infirmary with no additional charge. The cost of this service is covered by a portion of the General Fee. For periods in excess of this time, a charge of \$4.00 per day is made. Students not boarding in college dining halls will be charged \$4.00 per day for board during the period of hospitalization, beginning with the first day of admission to the Infirmary.

STUDENT HEALTH INSURANCE

The Student Health Service is not designed to cover accidents or serious illness requiring special medicine or surgical treatment or hospitalization. The College therefore makes available to its students and their parents medical, surgical and hospitalization insurance to afford reasonable protection for those cases which exceed the benefits and services extended by the College Infirmary. All students are urged to purchase this or similar coverage. The cost is \$5.50 per semester and may be included in the college invoice. Direction of the Health Service program is under the supervision of the Dean of Students.

GENERAL STUDENT REGULATIONS

IT IS EXPECTED that students will be governed by high personal ideals and good taste and that detailed and specific rules will be unnecessary.

The men and women of the College live under conditions intended to provide a pleasant and wholesome social life and a reasonable amount of social recreation is encouraged. Such diversions, however, may be restricted to limits considered favorable to the total welfare of the students. In the administration of regulations and policies, the college officers will be guided in the treatment of individual cases somewhat by the general attitude of the student toward the College, i.e., whether or not he has proved himself a creditable member of the college community, as shown by regularity in attendance at classes, promptness in the fulfillment of obligations, earnestness in endeavor to profit by the college opportunities and an evident awareness and practice of high standards of social and moral conduct.

Bethany College has always been opposed to the use of intoxicating liquors. This policy should be understood and accepted by every matriculant.

No student may bring, keep or drink alcoholic beverages on the campus, in a college dormitory or at a local rooming house.

Students are required to refrain from the use of alcoholic beverages at any and all college or social club functions and on all occasions when they are representing the college. A student who violates these regulations or who conducts himself in a manner prejudicial to the best interest of the college while off the campus will be subject to disciplinary action.

The whole record of each student will be surveyed at the end of each semester with reference to his conduct in the community as well as his academic attainments. If the student's conduct over the past semester has been unsatisfactory and seems likely to remain so, the administration will consider whether the student is justifying his candidacy for a college degree at Bethany. *Students who do not show promise of academic accomplishment or fail to be good citizens will not be allowed to continue. It is expected that a student who earns credits at Bethany College must satisfy the faculty as to uprightness of character as well as accomplishment in scholarship.*

The Dean of Women is in charge of the general supervision of the college women, with the direct responsibility for regulation of their social life, residence and social privileges, and out of town privileges. Each residence hall for women is presided over by a house hostess or a faculty resident.

No student will be permitted to reside or board in any place which has not been listed as "*approved*" by the Office of the Dean of Students. Fraternity and sorority houses, private dwellings and rooms in residence halls where students are living, must at all times be open for inspection and appraisal as to influences and conditions relating to morals, health and social culture.

AUTOMOBILES

When students are admitted to Bethany College, the College assumes that they have attained a certain maturity with respect to personal and social responsibility. Today the automobile is a possession common to most households. Students of the College are permitted to maintain and operate automobiles at Bethany if they meet certain rigid regulations set up by the College. A student must have written permission of parent or guardian and automobile insurance coverage as stipulated by the College. He must not only maintain a scholastic average of at least 2.25 but also demonstrate those qualities which make him a responsible citizen of the Bethany community.

Freshmen are not permitted to bring automobiles to Bethany. The freshman year may be difficult because many social and academic adjustments have to be made. Therefore an automobile cannot be brought to Bethany until the student has shown that he can manage himself and his college relationships in a capable way.

Application forms and complete information governing the maintenance and use of an automobile in Bethany may be secured from the Office of the Dean of Students.

STUDENT'S SCHEDULE

A student ordinarily carries fifteen or sixteen credit hours of academic work each semester, but it is possible for a student to carry additional credit hours with the permission of his faculty counselor and the Dean of the Faculty. It is ordinarily expected that no student will carry more than eighteen credit hours in any one semester unless approval has been granted by the Committee on Admission and Academic Review.

COURSE CHANGE

Any course changes should be made within ten days after registration. At other times a change can be made in courses or schedule with the consent of the student's counselor, the Dean of the Faculty, and the instructors concerned. After the first ten days it is possible for a student to secure permission to drop a course only if the counselor and the Dean feel that the best interests of the student will be served by such procedure.

CLASS ABSENCES

Students are expected to attend all class or laboratory meetings of a course and to participate in all outside activities that are a part of the course. According to faculty ruling the following uniform system has been adopted to be used in connection with class absences.

1. Attendance for each class will be reported daily to the Office of the Registrar.
2. Freshmen and students on probation will be held strictly accountable for attendance at every class meeting. Excused absences are granted only in the event of serious personal or family emergencies, or authorized college events. A bi-weekly list of excused absences is issued by the Office of the Dean of Students.
3. For upperclass students not on probation, the demands of each course and the progress of the individual student will be the governing factors in class attendance requirements. *Any student who jeopardizes his progress by avoidable absences may be placed on probation. In the event of continued disregard for this understanding, he will be dismissed from college.*
4. No check will be made of the class attendance of those students who maintain a quality point average of 3.5.
5. If a student's total absences, *both excused and unexcused*, exceed one-fourth of a course, the instructor may report a grade of WF, dropping the student from the course.

PENALTY FOR LATE REGISTRATION

Students in attendance during any semester should register on the opening day of the following semester, if they desire to continue their work. A charge is made for each day of delay in registration. Class absences will be counted against the student for all days missed because of late registration. This rule does not relate to students entering for their first semester.

WITHDRAWAL

An honorable dismissal will be granted to any student in good standing and not subject to discipline, who may desire to withdraw from the College, if he has satisfied his counselor and a responsible officer of the College that there is a good reason to justify such action. Students asking to withdraw should present such a request to the Dean of Students in writing with a statement of approval from parent or guardian. The recommendation of the Dean of Students will next be presented to the Business Manager and then to the Registrar for final record. No withdrawal will be considered complete until this procedure has been carried out.

FINAL EXAMINATIONS

All students are required to take the final examination in each course for which they are registered. Students who are taking the Senior Comprehensive Examination are excused from final examinations in all courses of the semester in which the comprehensive examination is taken.

SPECIAL EXAMINATIONS

A student justifiably absent from a final examination or a test given in connection with the regular class work, with the consent of the instructor and approval of the Dean of the Faculty, may be permitted to take a special test without payment of fee. Fees for special examinations must be paid at the Business Office before the examinations are taken and the proper receipt must be presented to the instructor at the time of the examination, and, later, shown by the instructor to the Registrar together with the grade given the student.

GRADING SYSTEM

The standing of a student in any course pursued is reported by letter. The meaning of the letters and the number of quality points earned per semester hour is as follows:

- A. Excellent. Four quality points; denotes work of unusual merit.
- B. Good. Three quality points; indicates appreciation and grasp of the subject that is distinctly above the average.
- C. Satisfactory. Two quality points.
- D. Inferior. One quality point; work below the average. It

shows a lack of application or of ability to grasp the subject matter.

Con. This abbreviation denotes conditional failure. The student is granted the privilege of taking an examination to remove the condition or, in case of a continuous course, it may be automatically removed if the student makes a grade of "C" or better the following semester. Failure to do so within the following semester will result in the grade being changed to "F." Regardless of the manner of removing the condition, no grade higher than "D" will be allowed.

Inc. This abbreviation denotes work not completed as a result of sickness or some other justifiable reason. An incomplete mark should be removed by the end of the fourth week in the following semester, unless an extension of time is granted by the Dean of the Faculty. It is not possible for a student to remove an incomplete mark after twelve months.

F. Failure. No quality points; denotes work that is definitely unsatisfactory and the course not passed.

W. Withdrawn.

WF. No quality points; indicates a course dropped with permission after the fifth week of the semester with student failing at the time of withdrawal. A grade of WF has the same effect on the student's grade-point average as an F.

A report of the scholastic standing of students is received at the Office of the Registrar at mid-semester in addition to the final semester reports. These reports are sent to the faculty counselor and to parents or guardian of each student.

CLASSIFICATION OF STUDENTS

The classification of students is determined according to the following plan: For sophomore rank a student must have at least twenty-five hours of academic credit and fifty quality points. Admission to the upper division or full junior standing is conditioned upon the student's having at least sixty hours of academic credit and one hundred and twenty quality points; and he must have passed the Sophomore Comprehensive Examination. For senior class rank the student must have at least ninety-four hours of academic credit and one hundred and eighty-eight quality points.

No student is considered as a candidate for the baccalaureate degree until he has been granted senior classification, until he has filed an Application to take the Senior Comprehensive Examination in the Field of Concentration, and until he has filed an Application for a Degree.

PROBATION

The term "on probation" is applied to students who are allowed to continue in college after having failed to meet the stand-

ards expected by the faculty and administration. Students may be placed on probation for any of the following causes, or a combination of them.

a) Unsatisfactory scholastic record during the semester or preceding semesters.

The following academic bases will be used to determine "probation" each semester:

Freshmen must achieve a cumulative grade of at least 1.8; and Sophomores, Juniors and Seniors a grade index of at least 2.

b) Unsatisfactory class attendance during the semester or preceding semester.

c) Unsatisfactory deportment at any time.

"Probation" is intended to be a serious warning to the student and to the parents or guardians, that the student's record is unsatisfactory and that unless significant improvement is made the student may be asked to withdraw from the college. The Committee on Admission and Academic Review may dismiss any student if, in its judgment, the student is not likely to meet the requirements for graduation in the usual period of four years. An extension of the four-year period shall be granted only when there are unusual extenuating circumstances.

Students on probation may be declared ineligible for participation in athletic or other student activities. While on probation a student is not eligible to receive any grant from college scholarship or loan funds. A student on probation may not have or operate an automobile in the Bethany community.

TRANSFER OF RECORDS

Students wishing to transfer from Bethany College to another institution should request the Registrar to send an official transcript of record and notice of honorable dismissal. The request should be made at *least one week before the transcript is needed*. One transcript is furnished for each student without charge; for each additional transcript a fee of \$1.50 is charged, which fee must accompany the request. All financial obligations to the college must be paid before a transcript can be issued.

CHANGES IN REGULATIONS

The College reserves the right to amend the regulations covering the granting of degrees, the courses of study and the conduct of students. Membership in Bethany College and the receiving of a degree are privileges, not rights.

The College reserves the right, and the student concedes to the College the right, to require the withdrawal of any student at any time without explanation.

INVALIDATION OF CREDITS

Courses completed either in Bethany College or elsewhere, more than ten calendar years before the date of proposed graduation, will not be accepted for credit toward graduation. All candidates are expected to comply with the requirements for degree in effect at the time of acceptance of the application for degree. With the approval of the Committee on Admissions and Academic Review and the payment of the required fee the candidate may take examinations, as administered by the various departments, for courses included in the current curriculum, to re-instate academic credit that may have been declared not valid because of date.

VOCATIONAL COUNSELING

IN MODERN SOCIETY practically every individual must make some plans for a vocation. The faculty at Bethany College believes that the liberally educated man or woman has the best preparation to meet the challenges and opportunities in the "world at work." Against a broad, carefully planned, liberal arts background, Bethany College students can select specialized courses or fields of concentration which will prepare them for admission to graduate and professional schools or for entrance into the world of business.

Occupational choice is dependent upon individual capacities, interests, and the current opportunities. Young people choosing a career need general and specific information about job requirements, training, and outlook. Through faculty advisors and guidance services of the college, Bethany students can receive such help. The Vocational Information Office under the direction of the Dean of Students, serves in the appraisal, vocational advising, and job placement of students. The students may get help in the following ways:

Vocational Information. The Dean of Students and designated Faculty Advisors are prepared to give students current information concerning vocations. In addition to this, files of material about occupations, and information about specific business, industries, and professions are available for student use.

Opportunities for vocational interest and personality tests and appraisals are offered to students to help ascertain some of the

factors essential in the student's eventual occupational choice and adjustment.

Campus Interviews. To bring together employers and prospective employees the Dean of Students encourages representatives of business, industrial, and professional organizations to visit the campus and arranges interviews for those students who desire them.

Placement. The Dean of Students suggests to students the most effective procedures in seeking employment, recommends methods of writing letters of application, and offers pointers on techniques of the job interview.

Graduate Training. Students who plan to do graduate work leading to higher degrees should bear in mind that a reading knowledge of both French and German is generally required. Results of the Graduate Record Examination will be requested by the graduate schools of most universities, and by an increasing number of organizations in business and industry.

PRE-PROFESSIONAL STUDY

Bethany College offers pre-professional training in a variety of fields. A large percentage of its students select their courses to qualify them for entrance to technical or professional schools. The Senior Counselors or Faculty Advisor should be consulted to see that specific requirements of the school selected are met.

Below are listed a number of career interests for which undergraduate preparation is to be found at Bethany. The strong recommendations for liberal arts courses should be noted. They represent only a sampling of the many programs the student may elect in preparation for his life's work.

Christian Ministry. Students who plan to enter church vocations are expected to complete their preparation in seminaries and graduate schools of religion after their graduation from Bethany. Their undergraduate studies, therefore, include the fullest possible grounding in the liberal arts. Guided by the faculty committee on ministerial training, students elect courses which provide necessary pre-seminary studies in the natural and social sciences, the arts and humanities and religion. Students engaging in this pre-professional program may not ordinarily complete a sequence intended to train them for secular employment upon the completion of the A.B. degree.

Pre-Engineering. A broad training in the sciences and humanities provides a good foundation for students who plan future specialization in one of the branches of engineering. Students desiring to transfer to an engineering school will need to give careful

attention to requirements of the engineering school they wish to enter.

By cooperative arrangement with Columbia University, Bethany offers the first three years of a five-year course and arranges for the qualified student to transfer to the technical school for the last two years of undergraduate training. Upon completion of the five-year program, degrees from both institutions will be granted.

Pre-law. Most leading law schools require no specific undergraduate courses for entrance but expect a broad training in the social sciences and humanities and in logical thinking. They recommend, however, that pre-law students take basic courses in history, political science, economics, sociology, psychology, English composition, and speech.

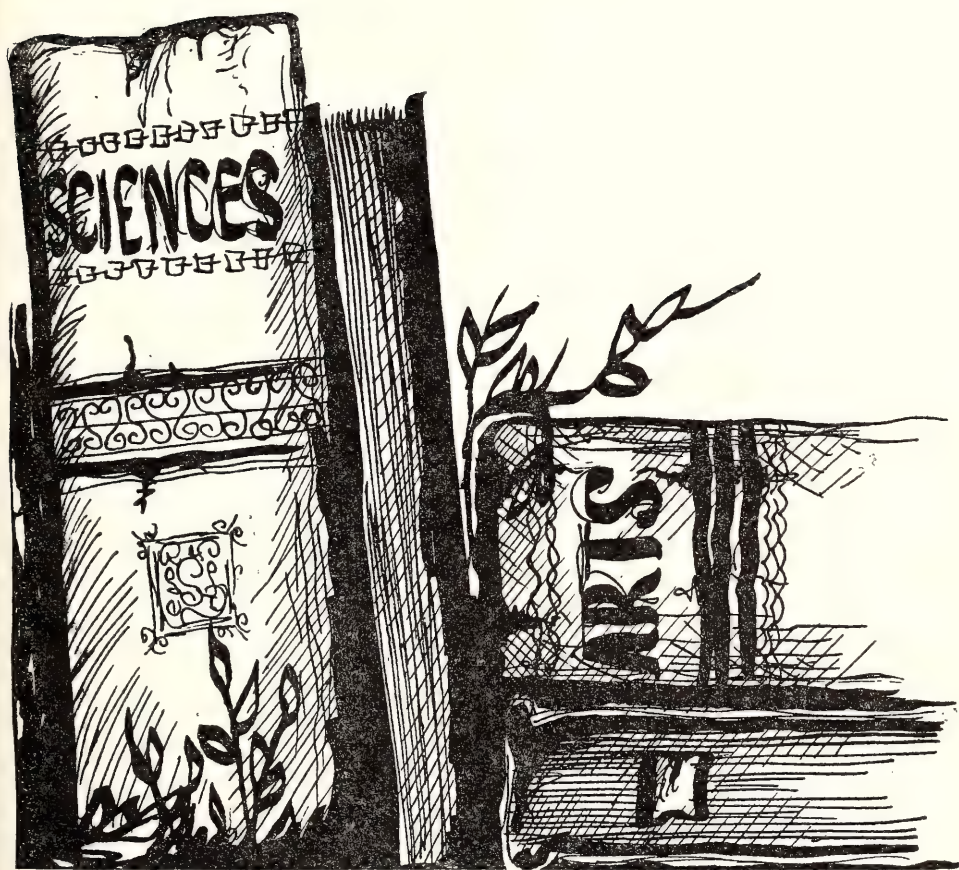
Pre-Medicine. Students desiring to prepare for the study of medicine will find instruction and facilities which will satisfy the entrance requirements for the best medical schools. It is recommended that the students planning to study medicine should have broad basic training in courses of general education, including foreign language, literature, philosophy, and social science. A sequence in Pre-Medical Training is planned for those who do not wish to elect a Field of Concentration in a single field of science.

Pre-Nursing. Increasing opportunities are open to college-trained women in the fields of public health and professional nursing both civilian and military. Bethany sponsors a co-operative program in nursing with certain well established and highly approved schools of nursing. Three years shall be spent at Bethany College during which time there shall be earned a minimum of 96 semester hours, including 6 hours of Physical Education, followed by the successful completion of a prescribed course at a collegiate school of nursing recommended by Bethany College (such as Western Reserve University, University of Pittsburgh, Columbia-Presbyterian, Cornell and others), leading to the A.B. or B.S. degree from Bethany College.

Pre-Dentistry. Admission requirements to dental schools stipulate at least two years of pre-professional training. It is recommended that the pre-dental student follow to a large extent the pre-medical program.

Professional Chemistry. A thorough preparation for Professional Chemistry with a complete background of training in the liberal arts is offered in a program of courses that is designed to conform to American Chemical Society standards. Courses in Independent Study introduce the student to the principles of research, aiding in any contemplated graduate or industrial work following graduation.





THE ACADEMIC PROGRAM



THE BETHANY PROGRAM

BETHANY is a small, Christian church-related, liberal arts college, with high standards of academic quality for both its students and its faculty.

It is small, in order that a close relationship may exist among the students and the faculty. No student need ever be "lost" at Bethany.

It is church-related by history and tradition, and by the common purpose of all connected with the College that education be more than merely the mastery of classroom material. Theology is not a part of the instructional program; but the Christian ethic, which is universal in its application, is an ideal which is consciously pursued, both in learning and in living at Bethany.

It is a liberal arts college, because those who have guided its destiny from the beginning have been convinced that the best foundation for success in any field of human endeavor is a broad understanding of the nature of man and his environment. Graduates of Bethany College are well-prepared for professional or other post-graduate training; for occupations demanding the ability to think logically, analyze problems, and make decisions; and above all for leading full and useful lives.

It is a college with high standards of academic quality because in the mass education system of the United States there is need for such institutions.

AIMS

Bethany College aims to assist its students in their preparation for intelligent and creative participation in contemporary living, and to direct them toward attainment of standards of excellence in scholarship, culture, and conduct.

The Faculty of the College has listed as representative of the more particular aims of the College the following:

- (1) To impart basic knowledge in various subject matter fields;
- (2) To establish sound habits of study and critical thought;
- (3) To provide opportunity for the development of health, physical fitness, good taste, poise, and courtesy;
- (4) To stimulate appreciation for the institutions and cultural contributions of mankind;
- (5) To develop social awareness and a fellow feeling for all nations and races;
- (6) To encourage creative self-expression in speaking, writing and the fine arts;
- (7) To enable the student to concentrate in an area of interest, leading toward a career in one particular field.

The College undertakes to provide higher education in an atmosphere of Christian ideals and Christian faith and to assist in the development of the moral character and religious life of its students.

STUDENT GUIDANCE

Bethany College recognizes the need of giving its entering students an introduction to their work in new surroundings, and requires freshmen to come to the campus several days before the formal registration of other students. Orientation and evaluation days are planned not only to introduce the students to the College but, at the same time, to introduce the college to the students.

Freshman orientation and evaluation activities include placement and achievement tests, which enable the faculty counselors to counsel the students and to place them in the class for which they are best fitted.

From the beginning of his college career each student has a Faculty Counselor. After the freshman or sophomore year the Counselor is usually a faculty member whose special academic interests approximate those of the student. The student has ample opportunity to be in frequent contact with his Counselor, and reports of accomplishments and difficulties can be made directly to him.

The Faculty Counselor is concerned with the student's selection of courses, his academic progress, standards of conduct, and vocational plans and objectives.

The chief officer in charge of student guidance, student welfare, and the coordination of all student personnel administration is the Dean of Students. Members of his staff are available for help in career guidance, social adjustment, financial problems, plans for graduate or professional study, or personnel analysis.

FACULTY COUNSELORS

FOR FRESHMEN

Miss Angele, Mr. Booth, Mr. Bourne, Mr. Dawson, Mr. Doster, Mr. Franklin, Mr. Frazier, Mr. Gaddis, Mr. Goin, Miss Gordon, Miss Gray, Mrs. Hanna, Mr. Hauptfuehrer, Mr. Jones, Mr. Kaminsky, Mr. Knight, Mr. Martin, Mr. McAlexander, Miss McGuffie, Mr. Patterson, Mr. Pomerantz, Mr. Preston, Mr. Ray, Miss Reed, Mr. Ross, Mr. Sandercox, Mr. Sweet, Mr. Sykes, Mr. Taylor, Mr. Tye, Mr. Young

FOR FIELDS OF CONCENTRATION

<i>Art</i>	MR. McALEXANDER
<i>Biology</i>	MR. WEIMER
<i>Chemistry</i>	MR. DRAPER
<i>Economics</i>	MR. RICHARDSON
<i>Education</i>	MR. SPENCE
<i>English</i>	MISS MCGUFFIE

<i>Fine Arts</i>	MR. HAUPTFUEHRER
<i>Foreign Languages</i>	MR. MCKENZIE, MR. FERRIS
<i>History and Political Science</i>	MR. SHAW
<i>Mathematics</i>	MR. TYE
<i>Music</i>	MR. HAUPTFUEHRER
<i>Philosophy</i>	MR. FRAZIER
<i>Physical Education</i>	MR. KNIGHT
<i>Physics</i>	MR. ALLEN, MR. WEI
<i>Psychology</i>	MR. RAY
<i>Religion and Religious Education</i>	MR. PRESTON
<i>Sociology and Anthropology</i>	MR. CHUNG

FOR CAREER INTERESTS

<i>Dentistry</i>	MR. WEIMER
<i>Engineering</i>	MR. ALLEN, MR. WEI
<i>Law</i>	MR. SHAW
<i>Medicine</i>	MR. WEIMER
<i>Ministry</i>	MR. PRESTON
<i>Nursing</i>	MR. WEIMER
<i>Radio and Drama</i>	MR. FRANKLIN
<i>Recreational Leadership</i>	MR. KNIGHT
<i>Social Work</i>	MR. CHUNG
<i>Veterinary Medicine</i>	MR. WEIMER

FOR SPECIAL SERVICES

<i>Fellowships and Scholarships</i>	MR. SANDERCOX
<i>Foreign Students</i>	MR. MCKENZIE, MR. FERRIS
<i>Gans Fund Grants</i>	MR. WEIMER
<i>Graduate Fellowships and Scholarships</i> ...	MR. FRAZIER, MR. SANDERCOX
<i>Honors Program</i>	MR. FRAZIER
<i>Ministerial Training Awards</i>	MR. DOSTER
<i>Selective Service</i>	MISS GORDON
<i>Social and Recreational Activities</i>	MISS NICHOLSON
<i>Vocational Information and Guidance</i>	MR. SANDERCOX

INSTRUCTIONAL DIVISIONS

The college curriculum and general plan of instruction recognize a lower division and an upper division; the former represents the freshman and sophomore years, and the latter the junior and senior years.

LOWER DIVISION (Courses numbered 100-299)

The work in the lower division emphasizes what is usually called "general education," and it represents the undergirding of the student's cultural and academic experience. In this period the student not only should become familiar with different fields of knowledge but also discover the area in which he possesses marked interest and ability. During these two years, there are frequent conferences between the student and his counselor on his progress in academic, vocational, and social adjustment.

The student usually completes most of the specific course requirements for graduation in the lower division. A general survey examination (Sophomore Comprehensive Examination) is given at the end of the lower division work, the results of which are used for educational guidance.

UPPER DIVISION (Courses numbered 300-499)

In the upper division, students work under a Senior Counselor in the chosen Field of Concentration. The teaching procedures and materials give emphasis to individual initiative and concentrated work.

As far as possible the student's work is library and laboratory centered. Extensive reading, problems, and seminars are regular procedures in upper division instruction. The development of an ability to form thoughtful judgment and evaluations, the "attitude of the searchers," and sustained intellectual interests, are a part of the instructional aims at this level.

FIELD OF CONCENTRATION

A large part of the student's program in the upper division will center on the field of concentration and its related fields. The core subject of the field may be confined to the work of a single department, or may embrace work in two or more departments. The work is planned and administered as a unit under the direction of the Faculty Counselor.

REQUIREMENTS FOR DEGREES

Bethany College confers, at formal graduation exercises, upon students who have satisfied all appropriate requirements and have maintained high standards of character, the degrees of Bachelor of Arts and Bachelor of Science.

RESIDENCE

Four years are usually required to satisfy the course and residence requirements for the baccalaureate degree. Students of superior ability may complete the requirements in less time. As a minimum, the senior year or the last two semesters before entering a professional school must be spent in residence at the College (see "Combination Courses," p. 77). Not more than nine semester hours may be obtained in other undergraduate collegiate institutions for the fulfillment of the work of the senior year, except as stipulated under "Combination Courses."

SEMESTER HOURS

Candidates for either of the baccalaureate degrees are required to complete a total of 126 semester hours of academic work. Of this number:

- a. at least 40 hours must be in upper division courses;
- b. at least 96 must be of "C" grade or better;
- c. not more than 42 may be in any one Field of Concentration;
- d. not more than 8 may be in applied courses in any of the following Departments, nor more than 4 in any of the others, except that these limitations may be exceeded if the total in all Departments is not

- more than 12 or if each hour in excess of the maximum is matched by 2 hours of historical or theoretical courses in the same Department: Art, Education, Journalism, Music, Physical Education (exclusive of required activity courses), or Speech and Dramatics;
- e. not more than 65 may be transferred from institutions of junior college standing;
 - f. in the case of candidates for the Bachelor of Science degree, at least 40 must be in courses in Biology, Chemistry, Mathematics, Physics, or Psychology, at least 25 of these at upper division level.

QUALITY POINTS

At least 252 quality points are required for graduation, and at least 80 of these must be earned in upper division courses. Quality points are awarded on the basis of final grades received. In computing quality points, the following values are used for each semester hour of credit: A=4 quality points, B=3, C=2, and D=1 quality point.

DISTRIBUTION OF COURSES

Candidates for graduation are required to complete certain courses which have been designated by the faculty as basic for general education.

The following specific requirements must be met by all candidates for the baccalaureate degree:

- * 6 semester hours in English composition
- * 6 semester hours in Religion 101-102, or equivalent courses.
- * 12 semester hours elected from the following sciences:
Biology, Physical Science, Mathematics, Chemistry, or Physics.
The total must include at least 6 semester hours in each of two sciences. Students whose field of concentration is in the Physical Sciences and Engineering may not elect Physical Science 201-202.
- * 12 semester hours in Social Science.
In the freshman or sophomore year all students must take Social Science 101-102. 6 additional hours may be elected from courses in Anthropology, Economics, History, Political Science or Sociology, or Social Science 442.
- * 12 semester hours in The Arts and Humanities.
Included in Arts and Humanities must be 3 hours of Fine Arts 201-202, and 3 semester hours in literature. Six additional hours may be elected from English literature; foreign literature; music; art.
- * 6 semester hours in one of the following:
Psychology or Philosophy.
- * 6 semester hours in Physical Education, i. e., two hours in personal hygiene (or Biology 101) and four hours in activities courses.

Foreign Language Requirement:

A reading knowledge is required in one of the modern languages offered at the College or one approved by the Committee on Admission and Academic Review. This requirement may be satisfied by the completion of the second year course in the language at the college level, or by written and oral examinations given under the direction of the Department of Foreign Languages.

- * Students who have anticipated the subject matter courses prescribed for the baccalaureate degrees, may make application to the Committee on Admission and Academic Review to take an achievement test. If the result of this test indicates sufficient mastery of the subject, the necessity to take the prescribed course will be waived. Passing the achievement tests will not give credit in semester hours toward the degree.

FIELD OF CONCENTRATION

Each student should select a Field of Concentration not later than after three semesters of resident academic work. The determination of the Field of Concentration cannot be delayed beyond the fourth semester without the possibility of extra academic courses being necessary.

Each student will have the help and direction of a Senior Counselor in planning his course of study in the Field of Concentration, but the following specific requirements must be followed:

- (a) In core subjects of the Field of Concentration, at least 24 semester hours must be completed but not more than 42 semester hours will be counted toward degree requirements. At least 12 semester hours in core subjects must be in courses at upper division level. Grades earned in core subjects must meet a minimum requirement of cumulative scholarship index of 2.00.
- (b) At least 12 semester hours must be completed in an area related to the core subject.

The Senior Counselor will determine specific course requirements within the Field of Concentration and must approve the related subjects.

The Field of Concentration which a student elects determines specific requirements for the student, not only of work to be done in the field selected, but courses to be completed in other departments. The general outline of the requirements for each Field of Concentration is listed in the Curriculum section of this bulletin that outlines the courses offered. Modifications may be made to meet the needs of the individual student.

SENIOR COMPREHENSIVE EXAMINATION

A comprehensive examination, both written and oral, is required of each candidate for a degree at Bethany College. It is intended to cover the total range of the student's academic preparation. This examination is given under the direction of the Senior Counselor in charge of the Field of Concentration with the assistance of a faculty committee appointed by the Dean of the Faculty. Portions of the Graduate Record Examination will constitute a part of the Comprehensive Examination. A student failing the comprehensive examination shall be considered as failing to meet the requirements for graduation and shall not be graduated.

Comprehensive examinations are regularly given once each academic year. Students who fail to pass the comprehensive examination shall upon payment of a suitable fee, with the permission of the Committee on Admission and Academic Review, and approval of the Senior Counselor, be given a second opportunity only at the end of any subsequent year. Further opportunity to take this examination shall be given by special vote of the faculty.

A student desiring to take a comprehensive examination in a second Field of Concentration may do so provided the Senior Counselors concerned and the Committee on Admission and Academic Review approve, and the student shall have paid the fee required for a special comprehensive examination.

GRADUATE RECORD EXAMINATION

Students are required to take the Graduate Record Examination during the senior year. The record on this examination will be needed by students seeking admission to graduate and professional schools. The results may be considered in the awarding of graduation honors. Portions of this examination will constitute a part of the Senior Comprehensive Examination. Charges for this examination are included in the graduation and diploma fee.

COMBINATION COURSES

Special arrangements have been approved by the faculty under which students who have completed three years of work at the College may transfer to specifically approved institutions for engineering or nursing training and be eligible for graduation at Bethany on satisfactory completion of their undergraduate training at the cooperating institution.

By special arrangement with the School of Engineering, Columbia University, Bethany offers the first three years of a five year course for engineering students and arranges for the qualified student to transfer for the last two years. Upon comple-

tion of this five year program the student will receive a bachelor's degree from Bethany College and from Columbia University.

Arrangements have been approved whereby Bethany students upon the completion of three years of satisfactory work in the College or ninety semester hours of work, exclusive of required physical education courses, with an approved distribution of courses, may transfer to approved university schools of nursing and upon the satisfactory completion of training may receive the Bachelor of Science Degree from Bethany College and the Diploma in Nursing from the School of Nursing. The student Nurse's Registry Certificate is to be filed with the Registrar before graduation is confirmed.

SUMMER SCHOOL

The summer session is designed to meet the needs of high school graduates and students still in the upper grades of high school who want to begin their college work early, college students who wish to accelerate their programs or take extra courses, teachers, and any others who might benefit.

Unusually cool summer temperatures common to Bethany, an air-conditioned library, ample parking, and nearness to Oglebay Park — known throughout the country for its outstanding recreational and cultural programs — make Bethany College ideal for summer attendance.

For information on offerings, costs, schedules, etc., write the Director of the Summer School for a copy of the Summer Bulletin, which will be published about March preceding the summer session. Mentioning what courses you need will help determine what additional courses or independent study might be made available.

Credit will be given also for a limited amount of work done in the summer session of another approved college or university provided the courses taken are appropriate to the liberal arts curriculum and the grades earned are entirely satisfactory. Permission for summer study must be secured in advance from the Registrar.

EDUCATION FOR RESPONSIBLE CITIZENSHIP

The college has provided a program in training for active citizenship through the generous support of the Maurice and Laura Falk Foundation of Pittsburgh. This program is intended to lift politics to the level of deliberate awareness throughout the student body, and to give training to a few select liberal arts and pre-professional students in the nature and art of politics at local, state

and federal governmental levels in preparation for responsible citizenship irrespective of the vocations which these young people will enter.

This is accomplished through a series of summer internships in practical politics and administration which sends a selected group of students who have completed substantial training in the political sciences to the offices of party headquarters, legislators, various administrative offices and legislative reference bureaus for a period of six weeks during the summer. Most of these assignments are at the state and local levels. The internships program is a natural outgrowth of solid teaching in political science courses.

The citizenship training program also embraces a series of planned visits to the campus by political individuals and groups for workshops and seminars and as guest lecturers in related classes. Political science field trips to the national capital and at least one state capital are scheduled each year as part of a study of the governmental process.

JUNIOR YEAR ABROAD

Under proper supervision and direction specially qualified students may substitute for the work of the junior year in college a year of study in Europe or England. To be eligible for the junior year abroad, the student ordinarily must have an average grade of "B" or better in the work of three semesters. Each application must be approved by the faculty. Any student wishing to avail himself of this opportunity should present the request in writing to the Committee on Foreign Students before the end of the second semester of his sophomore year.

SEMESTER IN WASHINGTON

Arrangements have been made for one or two advanced students in history, political science, economics or sociology to pursue studies in these fields under the direction of the American University in Washington, D. C. A student participating in this plan will take six to nine hours in regular academic work and six to nine hours in the study of government supervised by Bethany College and American University. Participants in the program must be recommended by the Senior Counselor and have the approval of the Committee on Admission and Academic Review.

THE BETHANY HONORS PROGRAM

The faculty of Bethany College believes that every student should be educated to his utmost capability. The superior student requires special attention and in view of this, Bethany College has instituted an Honors Program that it believes will meet the needs

of the student who is both capable and eager to move at a faster pace in the search for truth.

HONORS FRESHMAN

The program calls for the identification of the superior students during their Freshman year. Selection of qualified students is based upon the verbal and quantitative aptitude scores on the College Entrance Examination Board tests, high school record, and any other criteria considered relevant by the Honors Program Advisory Committee. During the freshman year the Honors Freshman is given special counseling for the purpose of preparing him for the Honors Program which he may enter as a sophomore. The college professors who serve as Honors Freshmen Advisors are responsible for only a small number of students each, thus providing the close supervision necessary for a carefully planned program of studies. Part of the program at the Freshman level calls for occasional seminars and gatherings designed to orient the student to a more serious intellectual discipline. The Honors Freshmen share in a kind of "fellowship of anticipation" of the three years of intensified studies upon which they may enter at the beginning of the Sophomore year.

HONORS SEMINARS

Once a student enters the Honors Program in the sophomore year, he embarks upon a course of study somewhat different from that pursued by the other students, for the Honors Program is "a college within a college" in that it segregates its students and accelerates their studies. The principal device employed to attain the ends in view is the Honors Seminar, which is composed only of Honor students. Throughout the upper three years of College the student will be a part of one such seminar each semester. The seminars represent all the principal areas of the arts and sciences. This means that the Honor student is privileged to pursue work in the major disciplines, in classes that are limited to 15 students and that include the best minds of the student body.

FACULTY-STUDENT TEAMWORK

One of the most important aspects of the Honors Program in general and the Honors Seminars in particular is that several members of the faculty work as a team in conducting the seminars. In such a setting the students are viewed as junior colleagues. There is a common search for truth. It is exciting to be in a seminar where three or four faculty members share in "The Great Conversation" with students who are intellectually curious. The experience is stimulating to the faculty as well as to the students. It provides for an integrated approach to understanding in that

scholars from several areas of the arts and sciences share in the discussions. It gives busy faculty people an opportunity to sit with colleagues who represent disciplines rather remote from their own. It demonstrates how all the subjects in a liberal arts college have a common goal. The seminar approach is an effort to fulfill what Alfred North Whitehead considered an imperative for American colleges, that we must "eradicate the fatal disconnection of subjects which kills the vitality of our modern curriculum."

THE FUTURE OF THE HONORS STUDENT

Bethany College assumes that the talented student will go to a university or a professional school for graduate training. The Honors Program is designed to prepare him for graduate study. The student is encouraged to apply for the more significant fellowships and scholarships available to top college graduates.

ADMISSION TO THE HONORS PROGRAM

Any student of sophomore standing or higher whose cumulative grade-point average is at least 3.2 may apply for admission to the Honors Program. Other students may apply if their applications are supported by the recommendation of at least one member of the faculty.

Applications for admission to the Honors Program will be acted on by the Honors Program Advisory Committee, consisting of the Dean of the Faculty, the Chairman of the faculty committee on Honors, and the Director of the Honors Program. The appropriate application forms may be obtained from the Registrar, and the completed application should be submitted through the Registrar.

GRADUATION REQUIREMENTS IN THE HONORS PROGRAM

Students in the Honors Program are freed from the specific course requirements for graduation, except in Physical Education. Instead of specific courses, they are required to offer some work in the four areas of: Arts and Humanities; Science and Mathematics; Social Science; and Religion. Their programs of study must be approved as being consistent with the tradition and philosophy of a liberal arts education. They must participate in the program of Honors Seminars. At least sixty semester hours of their college work must be at upper division level. Like all students, they must offer at least 126 semester hours of credits for graduation, must have a field of concentration, and must demonstrate proficiency in a foreign language.

PRIVILEGES OF STUDENTS IN THE HONORS PROGRAM

Students in the Honors Program are freed from the College attendance requirements in their courses, except for final examinations and any other examinations which their instructors intend to use for the determination of their grades. They may audit any course at the College without payment of the auditing fee. They may elect as many as 21 hours of courses in a semester without special permission. They may take advanced courses without the usual prerequisites except in those cases where the Head of the Department offering the course rules that this exemption shall not apply. They have preference in the offering of courses of Independent Study and Honors Courses.

ACADEMIC COUNSELING OF STUDENTS IN THE HONORS PROGRAM

A student in the Honors Program will have two academic advisors. After he has worked out a program of studies with the advisor for his field of concentration (or his assigned advisor if he has not yet selected a field of concentration), he will take it to the Director of the Honors Program for discussion and approval. In the event of conflicting advice, the Dean of the Faculty will confer with the student and his two advisors for the purpose of resolving the conflict.

HONORS PROGRAM PROBATION

A student may remain in the Honors Program for one semester if his cumulative grade-point average falls below 3.2. He will, however, be required to attend classes regularly, and will not be allowed to take more than 18 semester hours. If after one semester he fails to bring his average up to 3.2, the Honors Program Advisory Committee may drop him from the Program.

WITHDRAWAL FROM THE HONORS PROGRAM

A student in the Honors Program who wishes to withdraw may petition the Honors Program Advisory Committee for permission to withdraw. This petition should list all College course requirements to which the student would still be subject if he were not in the Honors Program, and those courses which he has taken which, in his opinion, might be accepted as substitutes for the required courses.

CURRICULUM

ART

AIMS

To help students understand visual experience as a positive act; to provide meaningful experience in two and three dimensions; to provide standards of evaluation of the practical and fine arts.

REQUIREMENTS FOR FIELD OF CONCENTRATION

To concentrate in the field, Art 241 and 242 are required, plus a total of four studio courses, (8 hrs.) from numbers 301 to 304, and three historical courses (9 hrs.) from numbers 325 to 340.

ART 241 BEGINNING DRAWING AND COLOR (3 hrs.) Creative expression in, and theories of two-dimensional expression. Attempts to give students hand and eye training and to aid them to understand past and contemporary visual expressions. Media in drawing will be charcoal, conte crayon, pen and brush. Open to all students. 2 hrs. lecture; 4 hrs. studio work.

ART 242 BEGINNING SCULPTURE (3 hrs.) Creative expression in, and theories of three-dimensional expression. Attempts, through work with solid forms and volumes, to establish a basis for evaluation of sculpture and three-dimensional design both past and present. Open to all students. 2 hrs. lecture; 4 hrs. studio work.

ART 301 CERAMICS (2 hrs.) Basic techniques of designing, building and glazing ceramics. Individual projects carried on according to student's ability. Prerequisite for Art majors only: Art 242.

ART 302 DRAWING (2 hrs.) Creative expression in, and theories of, drawing techniques and media. Primary emphasis will be placed upon individual expression of figure, landscape and still life. Prerequisite for Art majors only: Art 241

ART 303 PAINTING (2 hrs.) Studio course in painting in oil, casein, watercolor or tempera. Prerequisite for Art majors only: Art 241 & 302.

ART 304 SCULPTURE (2 hrs.) Creative expression in three-dimensional forms. Students will work with materials that are readily available and easily handled, such as wood, wire, plaster and clay. Prerequisite for Art majors only: Art 242.

ART 325 ORIENTAL ART (3 hrs.) A study of the art forms of the Orient, including China, Japan and India. Not offered in 1963-64.

ART 326 ITALIAN RENAISSANCE PAINTING (3 hrs.) The Italian Renaissance as reflected in painting from the 14th to the 16th centuries. Not offered in 1963-64.

ART 327 ART OF THE AMERICAS (3 hrs.) A brief study of the arts of the Indians of the Americas and the development of western art forms in America. Not offered in 1963-64.

ART 328 GREEK ART (3 hrs.) The Golden Age of Greece as reflected through sculpture, architecture, and pottery.

ART 329 ART OF TODAY (3 hrs.) A study of contemporary expression and its immediate background.

ART 342 ELEMENTARY TEACHERS WORKSHOP (2 hrs.) (Creative Expression in Art.) The teaching of art in an experimental workshop dealing with materials and projects for children at various age levels.

ART 487-488 INDEPENDENT STUDY (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field, Selection is to be made by the student according to interests and needs, subject to approval of the instructor.

ART 491-492 HONORS COURSE (1 to 3 hrs.) Designed for seniors of superior ability and achievement, who are concentrating in Art.

BIOLOGY

AIMS

To acquaint the student with the living world around him and the fundamental dynamic life processes; to demonstrate scientific methods of approach to problem solutions; to cultivate an attitude of inquiry and research; to develop laboratory skill in various types of work in zoology and botany; and to train students as teachers of biology and for certain professional work related to this field.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN BIOLOGY

A minimum of twenty-four semester hours in the department. A minimum of twelve semester hours of chemistry, at least four of which are organic chemistry, is desirable. German or French should be elected to meet the graduation requirement for foreign languages.

Students who plan to teach or become professional biologists should elect the following sequence of courses: Biology 101-102, 201, 203, 228, 328, 343, 365, 425, 442 and 478.

Students preparing for work in medicine, dentistry, nursing or as laboratory technicians should elect the following sequence of courses: Biology 101-102, 201, 203, 343, 440, 442 and 478.

Sequence of courses subject to approval of the Senior Counselor.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN PRE-MEDICAL TRAINING

A minimum of twenty hours in the Department of Chemistry which must include Chemistry 101 or 102, and 301-302; sixteen hours in biology, which must include Biology 101 or 102 and 201; and eight hours in Physics. Sequence of courses subject to approval of the Senior Counselor.

BIOL. 101-102 GENERAL BIOLOGY (3 hrs.) The fundamental structures and life processes of plants and animals including man, and their important interrelationships.

BIOL. 155 INTRODUCTION TO APPLIED MICROBIOLOGY (2 hrs.) An introduction to the study of micro-organisms and their relation to medicine, surgery, and public health. Discussion and laboratory work.

BIOL. 167 INTRODUCTION TO MAMMALIAN ANATOMY AND PHYSIOLOGY (3 hrs.) Mammalian anatomy as exemplified in the cat. Discussion and study of the functioning of the tissues and organ systems of the human body. Laboratory study of the anatomy of the cat, and human physiology. Discussions, demonstrations, and individual laboratory work. Registration restricted to students preparing for nursing and majors in physical education. Offered in alternate years.

BIOL. 201 COMPARATIVE VERTEBRATE ANATOMY (4 hrs.) Comparative anatomy of the representative forms of vertebrates; laboratory study of the comparative anatomy of the shark, *Necturus* and cat. Prerequisite: Biology 101-102. Required of all pre-medical students.

BIOL. 203 HEREDITY AND EUGENICS (3 hrs.) Modern theories and laws of heredity and their relation to man.

BIOL. 225 FIELD ZOOLOGY (2 hrs.) Primarily a field study of the taxonomy, ecology and natural history of animal life.

BIOL. 228 PLANT ECOLOGY AND LOCAL FLORA (2 hrs.) Identification of the common seed plants and ferns by the use of manuals and the study of the relation between plants and their environment. Prerequisite: Biology 101-102 or a course in biology at secondary school level. Not offered in 1963-1964.

BIOL. 230 OUR OUTDOORS (1 hr.) Field study of man's natural environment from the standpoint of geology and biology. Estimated cost of the course to the student exclusive of tuition, including field trips, food and incidentals: \$5.00 to \$8.00. Enrollment limited to fifteen. Not open to freshmen.

BIOL. 328 ADVANCED GENERAL BOTANY (3 hrs.) The structural relationships of various type forms of the plant kingdom together with a study of the fundamental life processes of plants; growth, irritability, food synthesis and metabolism. Prerequisite: Biology 101-102. Not offered in 1963-1964.

BIOL. 343 BACTERIOLOGY (3 hrs.) Morphology and physiology of yeasts and bacteria; principles of laboratory technique; cultural characteristics and environment influences on bacterial growth.

BIOL. 365 INVERTEBRATE ZOOLOGY (3 hrs.) The invertebrate animal including phylogeny and morphology. A laboratory study of representative forms of invertebrates will be made. Prerequisite: Biology 101-102. Alternates with Biology 425. Not offered in 1963-1964.

BIOL. 399 JUNIOR SEMINAR IN BIOLOGY (1 or 2 hrs.) An introduction to the fields of Biology and to biological literature and research. A required course for those students of junior standing whose Field of Concentration is Biology.

BIOL. 402 MARINE BIOLOGY (4 to 6 hrs.) Credit may be given for summer courses taken at the Marine Biological Station at Woods Hole, Massachusetts, or at any other station of similar rank.

BIOL. 425 PHYSIOLOGY (3 hrs.) Structure and functions of the human body; the mechanism of bodily movements, responses, reactions, and various physiological states. Prerequisites: Biology 101-102 and 201. Alternates with Biology 365. Not offered in 1963-1964.

BIOL. 440 HISTOLOGY (3 hrs.) Structure of the cell and its modification into various tissues with special attention to the theory and practice of general histological techniques. Prerequisites: Biology 101-102 and 201. Alternates with Biology 442.

BIOL. 442 VERTEBRATE EMBRYOLOGY (4 hrs.) Nature and development of the tissues and organs in vertebrates; embryos of chick and pig studied in the laboratory. Prerequisites: Biology 101-102 and 201. Alternates with Biology 440. Not offered in 1963-1964.

BIOL. 478 SEMINAR IN BIOLOGY (2 hrs.) A survey of the fields of biology and the current literature relating to investigations in those fields. Prerequisites: Biology 101-102; 201, 228 and 442. Open only to upper division students. Required for Field of Concentration in Biology.

BIOL. 480 METHODS AND MATERIALS IN TEACHING BIOLOGY (2 hrs.) The aims and methods of teaching biology in the secondary schools. Special attention will be given to general laboratory procedure and technique. Prerequisite: Sixteen hours in the department and upper division rank. Not offered in 1963-1964.

BIOL. 488 INDEPENDENT STUDY IN BIOLOGY (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. The field of study may be selected by the student interested in Biology, subject to the approval of the Head of the Department, according to interest and future needs.

BIOL. 491 HONORS COURSE (1 to 3 hrs.) Advanced theoretical and experimental work in biology; an introduction to research. Prerequisites: Biology 101-102; 201. Enrollment limited to students concentrating in Biology who are seniors of superior ability and achievement. Permission of the Head of the Department required.

CHEMISTRY

AIMS

To contribute to the student's general culture, his understanding of the nature of the physical world and his understanding of the place of chemistry in industrial and business life; to provide experience in the scientific method of reasoning; and to provide students concentrating in this field with a thorough and practical education in chemistry which may be useful in industrial, technical and graduate work.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty-four semester hours in this department including Chemistry 101-102 or 191, 201-202, 301-302, 439-440, 477-478; also Mathematics 201-202 and Physics 201-202. German or French should be elected to meet the graduation requirement for foreign language. Students taking Chemistry 191 instead of Chemistry 101-102 will take an additional four semester hours of upper division credit in chemistry. The sequence of courses is subject to the approval of the Senior Counselor.

AMERICAN CHEMICAL SOCIETY REQUIREMENTS FOR THE PROFESSIONAL CHEMIST. A course of study, designed to conform to the American Chemical Society standards, is required for those students who plan to become professional chemists or plan to enter graduate work in chemistry. Under this plan, in addition to the chemistry, mathematics and physics requirements listed above for a field of concentration in chemistry, two additional semesters of upper division courses in chemistry and two years of German must also be elected. In addition to the German, a year of French is strongly recommended for those students planning to do graduate work. Among the electives, at least 18 semester hours, exclusive of English and modern language requirements, are required in the humanities.

The entering freshman who is interested in chemistry should be sure to select Chemistry 101-102, Mathematics 101-102, English 101-102, German 101-102, Physical Education 101-102 and 3 to 6 hours of electives. Programs for subsequent years must be decided in conference with the faculty counselor for chemistry.

An entering freshman interested in chemistry, who has advanced standing in that field, should elect Chemistry 191 (first semester), Chemistry 201 (second semester), Mathematics 101-102 or 201-202, English 101-102, German 101-102, Physical Education 101-102 and 3 to 6 hours of electives. Under this plan, in connection with the Honors Program, it would be possible for a student

to earn a major in chemistry in three years. All students contemplating this program or planning to take Chemistry 191 should consult with the Head of the Department of Chemistry before their registrations are completed. Programs for subsequent years must be decided in conference with the faculty counselor for chemistry.

CHEM. 101-102 GENERAL CHEMISTRY AND INORGANIC QUALITATIVE ANALYSIS (4 hrs.) A study of theoretical and descriptive inorganic chemistry and the principles of qualitative analysis. The laboratory work is concerned with selected experiments in basic chemical principles and a systematic qualitative scheme of analysis for the cations and anions. Prerequisites: Two units of mathematics or concurrently with Mathematics 101-102.

Three lectures and four hours of laboratory per week.

CHEM. 103 INTRODUCTION TO CHEMISTRY (3 hrs.) An introductory course in the principles and applications of inorganic and organic chemistry. It will not count for credit for the science major.

Two lectures and three hours of laboratory per week.

CHEM. 191 INTRODUCTORY THEORETICAL CHEMISTRY (4 hrs.) A course for entering freshmen with a superior high school background in chemistry and mathematics. The course is concerned with the underlying theoretical basis of chemistry, including such topics as the chemical bond and molecular structure, the states of matter and the dynamics of chemical change. Most of the illustrative material will concern elements other than carbon. There will be a heavy emphasis on numerical problems illustrating aspects of the principles considered. After a brief review of basic techniques, the laboratory will stress applications of principles to problem solving. An introduction to qualitative analysis will be included. Admission to this course is subject to the approval of the Head of the Department.

Three lectures and four hours of laboratory per week.

CHEM. 201 QUANTITATIVE ANALYSIS (4 hrs.) The lectures cover the theory of qualitative and quantitative analysis. Important problem types based on both volumetric and gravimetric analysis are taught as well as those emphasizing the concepts of mass action, solubility product, equilibrium, hydrolysis, ionization, etc. Representative analyses are studied in the laboratory. Prerequisites: Chemistry 101-102 and Mathematics 101-102.

Two lectures and six hours of laboratory per week.

CHEM. 202 STOICHIOMETRY (2 hrs.) Problems based on the mass, heat and other energy relationships implicit in chemical reactions. Calculations of equilibrium constants and from equilibrium constants based on the variations in the ionic strength of solutions. Prerequisite: Chemistry 201.

Three hours of problem-laboratory sessions per week.

CHEM. 301-302 ORGANIC CHEMISTRY (5 hrs.) An introductory course in the study of the organic compounds of carbon, both aliphatic and aromatic, involving a considerable amount of the electronic mechanisms of organic reactions. The laboratory work consists largely of organic preparations, Prerequisites: Chemistry 101-102 or Chemistry 191 and Chemistry 201.

Three lectures and six hours of laboratory per week.

CHEM. 326 ADVANCED INORGANIC CHEMISTRY (3 hrs.) The chemistry of certain elements and their compounds is studied and interpreted on the basis of modern theories of atomic and molecular structure. Prerequisites: Chemistry 201-202 or by permission of the Head of the Department.

Three lectures per week.

CHEM. 425 ORGANIC QUALITATIVE ANALYSIS (3 hrs.) A course in organic analysis with the emphasis on qualitative analysis. Prerequisites: Chemistry 301-302.

One lecture and six hours of laboratory per week.

CHEM. 426 ADVANCED ORGANIC CHEMISTRY (2 hrs.) The study of selected advanced topics in organic chemistry with emphasis on the mechanisms of organic reactions. Laboratory work will be introduced as appropriate and will stress newer techniques both of an instrumental and non-instrumental nature. Prerequisites: Chemistry 301-302.

Two lectures or one lecture and three laboratory hours per week.

CHEM. 439-440 PHYSICAL CHEMISTRY (4 hrs.) A study of theoretical chemistry including the following topics: gaseous state, atomic and molecular forces, crystalline state, physical properties and molecular structure, thermochemistry, thermodynamics, liquid state, solutions of electrolytes and non-electrolytes, chemical equilibria, phase diagrams, chemical kinetics, electric conductance, electromotive force, ionic equilibria. Prerequisites: Chemistry 201-202, 301-302 or concurrent with Chemistry 301-302; Physics 201-202 and Mathematics 201-202.

Three lectures and three hours of laboratory per week.

CHEM. 442 ADVANCED ORGANIC PREPARATIONS (1 or 2 hours.) Organic syntheses, individually assigned, of an advanced nature. Prerequisite: Chemistry 301-302. Three hours or six hours of laboratory per week.

CHEM. 452. INSTRUMENTAL ANALYSIS (2 hrs.) Laboratory practice with specialized instrumentation for obtaining quantitative data quickly. The operation of these instruments will be taught: infrared, visible and ultraviolet spectrophotometers; gas and wet-column chromatography; polarography, measurements with pH meters, electrometric titrations; use of polarizing microscope and isotope scalers. Prerequisite: Chemistry 439. Two three-hours laboratory periods plus a one-hour briefing period per week.

CHEM. 477-478 SEMINAR IN CHEMISTRY (1 hr.) A survey of the fields of general, analytical, organic and physical chemistry and an investigation of the current literature relating to research in these fields. Prerequisites: Chemistry 101-102, 201-202, 301-302, and 439-440. Required of all students with a Field of Concentration in Chemistry.

CHEM. 479-480 METHODS AND MATERIALS IN TEACHING CHEMISTRY (2 hrs.) The aims and methods of teaching chemistry in the secondary schools. Special attention is given to laboratory procedure and techniques. Prerequisite: Sixteen hours of chemistry and junior or senior rank.

CHEM. 487-488 INDEPENDENT STUDY IN CHEMISTRY (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. The field of study may be selected by the student subject to the approval of the Head of the Department, according to interest and future needs.

CHEM. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced theoretical and experimental work in chemistry; an introduction to research. Enrollment is limited to seniors of superior ability and achievement. Permission of the Head of the Department is required.

ECONOMICS

AIMS

The courses are intended to provide students with background for better understanding of current economic and social problems, and thus prepare them for intelligent citizenship; to train students for effective work in business, industry, or government; and to lay a solid foundation for graduate study and teaching in the field.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the Department, including Economics 201-202; 265 or 267-268; six hours selected from 301-302 and 441; and 478. Additional courses should be selected by the student, with the advice of the Department Head, in accordance with the student's special interest and his career orientation. A student must attain a grade of at least C in Economics 201 and 202 before he may enter the field of concentration in Economics.

ECON. 126 PERSONAL FINANCE (2 hrs.) Checking accounts, charge accounts, installment buying, planning a budget, financing a home, investing in securities, buying insurance, making a will, starting a business, and other financial problems confronting the college graduate. Not offered in 1963-1964.

ECON. 201-202 PRINCIPLES OF ECONOMICS (3 hrs.) The fundamentals of economics; their application to economic, social and political conditions of today is stressed with the purpose of giving the student the approach to an intelligent outlook on current problems.

ECON. 265-266 INTRODUCTION TO ACCOUNTING (3 hrs.) Principles and methods of accounting for different types of business organizations. This course is an indispensable foundation for general business training.

ECON. 267-268 ELEMENTARY ECONOMIC STATISTICS (2 hrs.) Statistical principles and their practical application in government and business; nature, collection and organization of data; presentation of data in tabular and graphic form; the various averages; measures of dispersion; construction and use of index numbers; and measurement of correlation. Not offered in 1963-1964.

ECON. 301-302 INTERMEDIATE ECONOMY THEORY (3 hrs.) An advanced survey of the elements of economic theory, primarily for students concentrating in the Department. First semester: price determination, income distribution, and resource allocation, under conditions of competition, monopoly, and monopolistic competition; second semester: the theory of national income and employment determination, business cycles, inflation, economic stagnation, and economic growth. Prerequisite: Economics 201-202.

ECON. 303 EUROPEAN ECONOMIC HISTORY (3 hrs.) A survey of the economic development of Europe from the pre-industrial era to the present, with emphasis on the forces that have contributed to modern-day Europe. Not offered in 1963-1964.

ECON. 304 AMERICAN ECONOMIC HISTORY (3 hrs.) A study of the historical growth and institutional character of the United States economy from the colonial period to the present day. Offered in alternate years.

ECON. 320 PRINCIPLES OF MARKETING AND DISTRIBUTION (3 hrs.) The marketing function of the manufacturer, wholesaler, jobber, retailer, mail-order house, chain store and other marketing institutions; cost of distribution; problems of marketing management and planning; modern trends in marketing. Offered in alternate years.

ECON. 325 PRINCIPLES OF BUSINESS FINANCE (3 hrs.) Planning financial requirements for business firms. Financing current operations and long term needs. Investment institutions. How leaders and investors evaluate business. Corporate securities. Offered in alternate years.

ECON. 326 INTRODUCTION TO BUSINESS LAW (3 hrs.) The basic principles of American business law and their application to concrete situations; the study of the law as a necessary instrument for the business man; modern trends in business law. Problems from actual controversies are used. Offered in alternate years.

ECON. 329 MONEY, CREDIT AND BANKING (3 hrs.) The principles of monetary and banking theory as they exist at present and a survey of banking practices; intended to give a thorough understanding of contemporary money, credit and banking problems. Offered in alternate years. Prerequisite: Economics 201-202.

ECON. 331 INTERNATIONAL TRADE AND FINANCE (3 hrs.) The principles of international trade and finance and their application to the modern world; the theory of comparative advantage; exchange rates, monetary standards, and international financial institutions; tariffs and commercial policy; capital movements; aid to underdeveloped countries. Not offered in 1963-1964. Prerequisite: Economics 201-202.

ECON. 368 BUSINESS CYCLES AND FORECASTING (3 hrs) A course designed to analyze the nature, characteristics, and measurement of business cycles; the problem and techniques of forecasting business conditions, and consideration of policies for developing economic stability within the economy. Not offered in 1963-1964. Prerequisite: Economics 201-202.

ECON. 425 PUBLIC FINANCE (3 hrs.) A survey of the principles of government finance combined with a thorough study of the federal tax system. Offered in alternate years. Prerequisite: Economics 201. Not offered in 1963-1964.

ECON. 427 BUSINESS AND GOVERNMENT (3 hrs.) A course designed to analyze the role and scope of government activity in the economy, which includes the historical evolution of this role, as well as a study of current techniques and administrative problems. Offered in alternate years.

ECON. 431 LABOR ECONOMICS (3 hrs.) A general course in labor economics and industrial relations; employment and unemployment; wages, hours, and productivity; history and objectives of organized labor; managerial labor policies; collective bargaining; current social, economic, and political aspects of labor-management relations.

ECON. 432 MANAGERIAL ECONOMICS (3 hrs.) The study of the sources, types, and uses of economic information and the application of economic theory to the problem of business decision making. Emphasis is placed on profit objectives, the measurement and forecasting of demand and costs, and capital budgeting. Prerequisite: Economics 201-202.

ECON. 441 HISTORY OF ECONOMIC THOUGHT (3 hrs.) Outstanding writers and their ideas are studied in relation to the conditions that led to important changes and developments in economic thinking; current trends of thought.

ECON. 444 COMPARATIVE ECONOMIC SYSTEMS (3 hrs.) The theoretical systems of capitalism and Marxian and non-Marxian socialism; actual economic systems exemplifying these theoretical modes, studied in terms of their historical evolution. Offered in alternate years.

ECON. 478 SEMINAR IN ECONOMICS (2 hrs.) Economic problems are studied on an advanced level for the purpose of supplementing and correlating work done in other courses. Occasional special lectures and field trips, expenses to be met by the participating students. Open only to seniors concentrating in the Department.

ECON. 487-488 INDEPENDENT STUDY IN ECONOMICS (1 to 3 hrs.) Designed for students who desire to do independent study in some special field. The field of study may be selected by the student subject to the approval of the Head of the Department, according to interest and future needs. Enrollment is limited to any juniors or seniors who have special interest in the field.

ECON. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced projects and minor research studies. Readings, conferences and reports on a field of special interest. Enrollment limited to seniors of superior ability and achievement concentrating in this field. Permission of the Head of the Department required.

EDUCATION

AIMS

This department believes that the successful teacher is one who has a thorough preparation in the Liberal Arts. The department seeks to develop in students a wholesome and intelligent attitude toward public education; to cultivate thinking about problems in education; and to integrate its work with that of other departments in a well-rounded liberal and professional education of prospective elementary and secondary teachers.

REQUIREMENTS FOR FIELD OF CONCENTRATION

ELEMENTARY EDUCATION — A minimum of twenty-four hours in the Department of Education; a minimum of six hours in the Department of Psychology. Sequence of courses is subject to the approval of the Education Department Senior Counselor. Ed. 142 and 201 should be completed by the end of the Sophomore year. A "C" average must be attained in these two courses for admission to subsequent professional education courses.

SECONDARY EDUCATION — A field of concentration is not offered in secondary education as such. Students preparing to teach in the secondary schools are required to select one or two academic fields of concentration, in conjunction with which they may elect the *area* of secondary education. The usual fields for

which Bethany College prepares junior and senior high school teachers are art, English, health and physical education, languages, mathematics, music, the sciences, social studies, and speech. Various combinations are sometimes advisable. Ed. 141 and 202 and the course in Special Methods of Teaching applicable to the student's major teaching field should be completed by the end of the Junior year. A "C" average must be attained in Ed. 141 and 202 for admission to subsequent professional education courses.

ADMISSION TO TEACHER EDUCATION

Students who are interested in elementary or secondary teaching must confer with the Head of the Department of Education preferably during the freshman year, but *not later* than the completion of the sophomore year. Anyone not adhering to this recommendation should plan to take more than the 126 hours required for graduation.

A written application for admission to the elementary or secondary professional education program must be submitted to the Education Department on forms obtained from the Department.

Students are expected to apply for admission to the program by the end of the sophomore year.

Applicants are appraised by the Teacher Education Review Committee, with respect to academic achievement, emotional and physical fitness, personality traits, and other factors the committee considers essential to a teaching career. In some cases the Committee may suggest programs to overcome certain deficiencies; in others it may recommend that the student not prepare for teaching. Anyone doubtful of his qualifications for teaching might find it advantageous to apply before registering for his first education course.

The Teacher Education Review Committee may review a student's qualifications at any time and issue appropriate recommendations. The general qualifications of all students are reviewed by the Committee at the time they apply for student teaching.

BLOCK OF PROFESSIONAL PREPARATION

Each student pursuing a curriculum in teacher education will take a full semester of professional courses, including student teaching, during the *first* semester of the senior year. This is designated as the **PROFESSIONAL BLOCK**.

Requirements for admission to the PROFESSIONAL BLOCK

PREREQUISITES — Students should have satisfied all prerequisites to Education 443 or 475 that precede the professional block program. Prerequisites cannot be deferred until after student teaching or taken at another institution without the permission of the Department of Education.

ELEMENTARY EDUCATION—A student must have a general “C” average in all academic work, and a “C” average in professional (Education) courses taken prior to the time he is admitted to the PROFESSIONAL BLOCK.

SECONDARY EDUCATION—A student must have a general “C” average in all academic work, a “C” average in at least one teaching field (Music excepted) and a “C” average in professional education courses taken prior to the PROFESSIONAL BLOCK.

APPLICATION FOR STUDENT TEACHING — Students are required to make application for student teaching at the beginning of the second semester of the junior year. This application requests the recommendation of the student’s Senior Counselor and requires the approval of the Head of the Department of Education. Applications will not be accepted from students not previously admitted to teacher education, as explained above.

THE PROFESSIONAL BLOCK PROGRAMS

ELEMENTARY EDUCATION: First Semester, *Senior Year*

Education 301	8 wks.	5 times a wk.	3 hrs.	credit
Education 346	8 wks.	5 times a wk.	3 hrs.	credit
Education 440	8 wks.	5 times a wk.	3 hrs.	credit
Education 443	16 wks.	Student teaching and seminar		
			6 hrs.	credit
TOTAL				
15 hrs.				

SECONDARY EDUCATION: First Semester, *Senior Year*

Education 301	9 wks.	5 times a wk.	3 hrs.	credit
Education 328	9 wks.	5 times a wk.	3 hrs.	credit
Education 440	9 wks.	5 times a wk.	3 hrs.	credit
Education 475	16 wks.	Student teaching and seminar		
			6 hrs.	credit
TOTAL				
15 hrs.				

Students will not be permitted to schedule courses in conflict with the *block* during the semester they are enrolled in it, or carry extracurricular activities which will interfere with the requirements

imposed by the *block*. Any exception to the above must be approved by the Heads of the Departments concerned and by the Dean of the Faculty. Students should *not* register for more than 16 hours of academic work, including student teaching, during the semester in which they are enrolled in the PROFESSIONAL BLOCK.

ED. 141 INTRODUCTION TO EDUCATION (3 hrs.) (School and Society) Introduction to the problems of education, including a survey of the aims, objectives, procedures, and the organization of public education in the United States. Designed to acquaint the student with the needs of the schools, the opportunities for employment, and the importance of education in our democracy. *Required for field of concentration or secondary area in teacher education.* Should be taken in freshman or sophomore year as a foundation for other professional education courses.

ED. 142 PRINCIPLES AND CURRICULUM OF ELEMENTARY EDUCATION (3 hrs.) Deals with the various learning and teaching principles which affect planning for the development and education of the child through the first six grades with an overview of curriculum as it affects the various levels in the elementary program. Specific concerns dealt with are planning with children and parents, carrying out the teaching in the classroom and the community, organizing appropriate activities and materials, and reporting to parents on the child's progress.

ED. 201-202 HUMAN GROWTH AND DEVELOPMENT (3 hrs.) The understanding and appreciation of individual and group development from infancy up to adolescence will be studied during the first semester and adolescence during the second semester; the type of school which best meets the needs and interests of children and youth; observation and first-hand contacts with children will be provided. Freshmen admitted only with instructor's consent.

ED. 301 HISTORY AND PHILOSOPHY OF EDUCATION (3 hrs.) Historical development of modern education, emphasizing the theories and principles of educational philosophers and other leading educators and their impact upon present day theory and practice in the United States and abroad.

ED. 328 PRINCIPLES AND TECHNIQUES OF SECONDARY EDUCATION (3 hrs.) The aims, functions, and curriculum organization of the secondary schools; basic methods, materials and techniques applicable to modern secondary teaching in junior and senior high schools.

ED. 331 CHILD AND ADOLESCENT PSYCHOLOGY (3 hrs.) See Psychology 331. A course devoted to the study of the psychological development of the child through adolescence.

ED. 332 PSYCHOLOGICAL FOUNDATION OF EDUCATION (3 hrs.) See Psychology 332. A study of the application of psychological principles to the field of Education. Included will be the areas of learning, transfer of training, individual difference, motivation, and the language and communication skills as they apply to education.

ED. 335 EDUCATIONAL TESTS, MEASUREMENT AND EVALUATION (3 hrs.) (Psychology 335.) The course will deal mainly with group testing, with attention to the construction and use of standardized and of *ad hoc* tests. The necessary correlation techniques will be included. Recommended especially for students in secondary education.

ED. 341 LANGUAGE ARTS (3 hrs.) The teaching of skills of reading, listening, speaking and writing as they relate to the total curriculum throughout the elementary program. Strong emphasis on teaching of reading and the integration of the related areas in language arts.

ED. 342 CHILDREN'S LITERATURE IN THE ELEMENTARY SCHOOL (3 hrs) Includes a background of the history of children's literature; familiarity with established and current literature in this area; methods and techniques of using current literature; work with story-telling groups.

ED. 345 SKILLS AND CONTENT METHODS IN ELEMENTARY AREA (3 hrs.) Emphasis on arithmetical skills, including the understanding of fundamental processes; the use of concrete to abstract in number understanding; comparison of different philosophies relating to teaching arithmetic; showing practical application of arithmetical skills in present day society, as they apply to all levels of the curriculum.

ED. 346 SKILLS AND CONTENT METHODS IN ELEMENTARY AREA (3 hrs.) Emphasis on science and social studies including history and geography as approached through the unit study method. Advantages and limitations of this method. Understanding of these areas in relation to living in our society. Planning curriculum for primary and intermediate levels to bring about understanding of these areas in relation to living in our society.

ED. 365 AUDIO-VISUAL EDUCATION (2 hrs.) Proper utilization of visual and auditory materials and equipment including chalkboards, maps, pictures, slides, motion pictures, television, radio and recordings; where to secure teaching materials. Laboratory experiences with audio-visual materials and equipment. Students who have not completed any professional education courses admitted only with the instructor's consent.

ED. 440 GUIDANCE (3 hrs.) Emphasizes the basic principles, purposes and techniques of guidance, counseling, and mental hygiene in the modern elementary and secondary schools. The role of the teacher is stressed.

ED. 443 OBSERVATION AND DIRECTED TEACHING IN ELEMENTARY EDUCATION (6 hrs.) Provides students with opportunity to work with the elementary school child at primary and intermediate level for an eight-week period of full-time teaching and observation distributed so as to include a minimum of 200 clock hours of direct teaching responsibilities. Students are required to submit an application for permission to take this course prior to advance registration. This application requests the recommendation of the student's senior counselor. Students should not register for more than sixteen hours of academic work, including student teaching, during the semester that the course is carried. Student teaching is carried on by arrangements with certain public schools and supervised by classroom teachers and a member of the Department of Education. Prerequisite: Education 141, 142, 201-202, and required methods courses in elementary education; concurrent enrollment in Education 301, 346, and 440.

ED. 475 OBSERVATION AND DIRECTED TEACHING IN SECONDARY EDUCATION (6 hrs.) Observation and teaching in one or more teaching fields in the public secondary schools; participation in other school activities; acquaintance with the role of teachers and principals in the administration of the high schools. *Seminar is required throughout the semester.* Students are required to make application for permission to take this course prior to advance registration. This application requests the recommendation of the student's senior counselor. Students should not register for more than sixteen semester hours of academic work including student teaching during the semester that the course is carried. Prerequisite: Education 141, 202, and 480; concurrent enrollment in Education 301, 328, and 440.

ED. 480 SPECIAL METHODS IN TEACHING (2 or 3 hrs.) See courses offered in several departments, viz:

Biology 480

Chemistry 480

English 480

Mathematics 480
Modern Languages 480
Music 479, 480
Physical Education 464, 480
Physics 480
Social Science 480

ED. 487-488 INDEPENDENT STUDY IN EDUCATION (1 to 3 hrs.)
Designed for those students who plan to teach and desire to do independent study in some particular area. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

ENGLISH

AIMS

To teach students to write effectively; to provide them with a knowledge of the major literary works in English; to provide them with standards for the intelligent evaluation of literature.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the department, exclusive of English 101-102. The following courses must be included: 225-226; 227-228; 391; 485-486. In addition, one course must be selected from each of the following groups: 325 through 332; 401 through 404. Three hours of independent study, devoted to preparation of the Senior Thesis, must also be included. One of these hours should be taken in the junior year.

ENG. 101-102 FRESHMAN COMPOSITION (3 hrs.) Training in the fundamentals of written expression, with emphasis on expository writing during the first semester. Introduction to literary types and themes; preparation of one or two research papers.

ENG. 141-142 ADVANCED FRESHMAN COMPOSITION (3 hrs.) Freshmen of superior ability and achievement will be assigned to this course instead of to English 101-102. Study of the development of the English language, the principles of rhetoric, and literary types and themes; preparation of several research papers.

ENG. 207 CLASSIC MYTHOLOGY (2 hrs.) Study of Greek and Roman myths and their use in Western literature.

ENG. 225-226 MAJOR AMERICAN WRITERS (3 hrs.) Study of the major American writers of the nineteenth and twentieth centuries.

ENG. 227-228 BRITISH LITERATURE (3 hrs.) Chronological study of major British writers and literary trends from the beginnings to the present.

ENG. 303 ADVANCED WRITING (3 hrs.) Intensive training and practice in composition. Emphasis upon the writing of essays and short stories.

ENG. 306 THE ENGLISH LANGUAGE (3 hrs.) Study of the development of English pronunciation, vocabulary, and grammar from Anglo-Saxon to the present. Intensive study of the grammar and syntax of Modern English. Offered in alternate years.

ENG. 325 THE RENAISSANCE, 1485-1660 (3 hrs.) Study of the major poetry and prose of the period, exclusive of the plays of Shakespeare. Emphasis upon the work of Spenser, Sidney, Marlowe, Donne, and Herbert. Offered in alternate years. Not offered in 1963-64.

ENG. 326 THE NEO-CLASSIC AGE, 1660-1740 (3 hrs.) Study of the major writers of the period. Emphasis upon the work of Dryden, the Restoration dramatists, Pope, Swift, and the periodical essayists. Offered in alternate years.

ENG. 327 THE AGE OF JOHNSON, 1740-1800 (3 hrs.) Study of the major writers of the period. Emphasis upon the work of the pre-romantic poets, Johnson, Boswell, Sheridan, Burns, and Blake. Offered in alternate years.

ENG. 328 THE ROMANTIC PERIOD, 1800-1850 (3 hrs.) Study of the major prose and poetry of the period. Emphasis upon the work of Wordsworth, Coleridge, Byron, Shelley, Keats, Lamb, and Hazlitt. Offered in alternate years. Not offered in 1963-64.

ENG. 329 THE VICTORIAN PERIOD, 1850-1900 (3 hrs.) Study of the major poetry and prose of the period. Emphasis upon the work of Tennyson, Browning, and Arnold. Offered irregularly. Not offered in 1963-64.

ENG. 331-332 THE TWENTIETH CENTURY (3 hrs.) Study of the major writers of England and America during the present century. Several representative novels from each country will be read. Offered in alternate years. Not offered in 1963-64.

ENG. 350-351. THE NOVEL (3 hrs.) Study of the development of the novel from the eighteenth century to the present. Approximately twelve novels will be read each semester.

ENG. 354-355 GREAT BOOKS IN TRANSLATION (3 hrs.) Classical and European literature: Homer, the Greek dramatists, Dante, Tolstoy, Dostoevsky, and others. The course emphasizes the theme and content of individual works rather than the development of literary types or national literatures.

ENG. 361 MODERN AMERICAN FICTION (3 hrs.) Study of the major writers since 1918. Emphasis upon the work of Hemingway, Faulkner, Steinbeck, and Fitzgerald. Some attention to the work of Lewis, Dos Passos, and Wolfe. Offered in alternate years.

ENG. 391 LITERARY CRITICISM (3 hrs.) Study of the value and function of criticism and of various critical approaches to literature from Aristotle to the present. Practical criticism and analysis of poetry and prose.

ENG. 401 CHAUCER (3 hrs.) Study of the major poems; some attention to the minor poems and to Chaucer's contemporaries. Offered in alternate years. Not offered in 1963-64.

ENG. 402-403 SHAKESPEARE (3 hrs.) Study of the major plays; some attention to the non-dramatic poems. Offered in alternate years.

ENG. 404 MILTON (3 hrs.) Study of the major poems; some attention to the prose and to Milton's influence on English literature. Offered in alternate years. Not offered in 1963-64.

ENG. 480 METHODS OF TEACHING ENGLISH (2 hrs.) Study of the methods and materials used in the teaching of English in secondary schools. Offered in alternate years. Not offered in 1963-64.

ENG. 481 SPECIAL TOPICS IN LITERATURE (2 hrs.) A seminar for the intensive study of a single writer, theme, type, or movement. The topic will vary from semester to semester. Prerequisite: six hours in English above the freshman level. May be repeated for credit. Offered irregularly.

ENG. 485-486 SENIOR SEMINAR (1 hr.) Intensive reading and research to supplement and correlate the work of other courses.

ENG. 487-488 INDEPENDENT STUDY (1 or 2 hrs.) Independent work in an area of special interest. The plan of study must be outlined by the student and approved by the Head of the Department before registration. May be repeated for credit.

ENG. 491-492 HONORS (1, 2, or 3 hrs.) Advanced independent research in an area of special interest. Students may register for this course only upon recommendation by the Head of the Department. May be repeated for credit.

FINE ARTS

AIMS

The Department of Fine Arts is not a separate faculty; it draws upon the faculties and curricula of the Departments of Art, Music, Philosophy, and Speech and Drama. Its aims are to give expression to the aesthetic unity of the various forms and modes of art, and to permit students to pursue a non-professional interest in these fields.

REQUIREMENTS FOR FIELD OF CONCENTRATION

All students concentrating in Fine Arts must take Fine Arts 201-202; Art 241 or Art 242; Speech 301; Music 101 or Music 143; Philosophy 377; and Fine Arts 478. In addition, at least eight courses must be elected from at least two of the following categories, with an emphasis (five courses) in one of the categories. At least four of these eight courses must be at upper division level.

1. Art: upper division art studio and art history courses.
2. Music: music theory and music literature courses.
3. Speech and Drama: lower division basic speech courses and upper division drama courses.

Students electing this field of concentration would also normally be expected to participate extra-curricularly in at least some of the performing and practicing activities in the area of emphasis.

A student concentrating in Fine Arts may elect a related field in another Department, or in Art, Music, or Speech and Drama. In the latter case, however, the related field may not be the

same as the area of emphasis, and the same courses may not be used in satisfying the requirements both for the field of concentration and for the related field.

Students primarily interested in Art or Music should also consult the sections of this catalogue dealing with the fields of concentration in those Departments.

FINE ARTS 201-202 INTRODUCTION TO THE ARTS (3 hrs.) An introduction to the elements of the graphic and plastic arts and music and to the organization of these elements in works of art through the examination of representative master works of Western art from all ages. Consideration is given also to aesthetic functions and values. The sequence is chronological, the first semester extending to mid-18th century, the second, from that point to the present.

FINE ARTS 478. SEMINAR IN FINE ARTS (2 hrs.) Required of and limited to seniors concentrating in the field of Fine Arts.

FOREIGN LANGUAGES

AIMS

To introduce students to the language, literature and culture of France, Germany and the Spanish-speaking countries; to provide training in reading facility for students who are interested in scientific or historical study requiring a foreign language as a "tool subject"; and to give adequate training in language, literature and expression to students who are preparing to be teachers, translators or representatives in foreign service.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN FRENCH, GERMAN, OR SPANISH

A minimum of twenty-four hours in the language, not including French 101-102, German 101-102 or Spanish 101-102, with eighteen hours of upper division. A reading knowledge of one foreign language other than the one chosen as the field of concentration. Students expecting to teach a foreign language must complete Foreign Languages 480. Foreign Languages 425 is required in each field. History 301 and 302 are recommended. Sequence of courses subject to approval of the Senior Counselor.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN FOREIGN LANGUAGES

A minimum of eighteen upper division hours in French, German or Spanish; at least six hours on upper division level in a second language; reading knowledge of the third; Foreign Languages 425. Sequence of courses subject to approval of the Senior Counselor.

Any student planning to teach a foreign language in secondary school or in elementary school should have his field of concentration in this department and should plan to secure his minimum professional education requirements for certification either at Bethany or elsewhere.

FRENCH

FR. 101-102 **FIRST YEAR FRENCH** (3 hrs.) Fundamentals of grammar, pronunciation and composition; emphasis on reading. Two hours' laboratory work per week in addition to three hours' classroom work. For students who have no acquaintance with the language. Not open to students who have had previous instruction in French. Not more than six hours credit can be earned in 101-102 and 103-104.

FR. 103-104 **FIRST YEAR FRENCH (REVIEW)** (3 hrs.) A review of the fundamentals of grammar, pronunciation and composition for students who have studied French before but who do not make a high enough score on the entrance placement test to admit them to French 201-202. Two hours' laboratory work per week in addition to three hours' classroom work. Not more than six hours credit can be earned in 101-102 and 103-104.

FR. 201-202 **INTERMEDIATE FRENCH** (3 hrs.) Grammar review, composition, dictation, intensive and extensive reading. Two hours' laboratory work per week in addition to three hours' classroom work. Prerequisite: French 101-102 or a satisfactory standing in an achievement test.

FR. 301-302 **CONVERSATION AND COMPOSITION** (3 hrs.) Prose, composition, syntax and phonetics; dictation, conversation, recordings. Prerequisite: French 201-202 or permission of the Head of the Department. Offered in alternate years. Not offered in 1963-1964.

FR. 303-304 **THE NOVEL** (3 hrs.) The French novel from its beginning to the twentieth century. Conducted in French. Prerequisite: A reading knowledge of French. Offered in alternate years.

FR. 325-326 MODERN DRAMA (3 hrs.) French drama since the seventeenth century. Conducted in French. Prerequisite: A reading knowledge of French. Offered irregularly.

FR. 327-328 HISTORY OF FRENCH LITERATURE (3 hrs.) Survey of French literature from the early periods to the present time. Readings in French from an anthology. Conducted in French. Prerequisite: A reading knowledge of French. Not offered in 1963-1964.

FR. 425 SEVENTEENTH CENTURY DRAMA (3 hrs.) Study of the plays of Corneille, Racine, and Moliere, as representative of the classical spirit in France. Conducted in French. Prerequisite: A reading knowledge of French; French 327-328 recommended. Offered in alternate years. Not offered in 1963-1964.

GERMAN

GER. 101-102 FIRST YEAR GERMAN (3 hrs.) Fundamentals of pronunciation, grammar, reading and composition. Two hours' laboratory work per week in addition to three hours' classroom work. For students who have no acquaintance with the language.

GER. 201-202 INTERMEDIATE GERMAN (3 hrs.) Grammar review, composition, dictation, intensive and extensive reading. Two hours' laboratory work per week in addition to three hours' classroom work. Special emphasis on outside reading in student's field of concentration. Prerequisite: German 101-102, or equivalent.

GER. 301-302 CONVERSATION AND COMPOSITION (3 hrs.) Practical conversation, study of syntax, prose, composition and dictation. Wire recording. Registration with the permission of the Head of the Department. Offered in alternate years. Not offered in 1963-1964.

GER. 303-304 NINETEENTH CENTURY (3 hrs.) Reading and critical study of the nineteenth century, especially Kleist, Hebbel, Heine, Keller; Special emphasis on the drama and the Romantic School. Outside readings and reports. Conducted in German. Prerequisite: A reading knowledge of German. Offered in alternate years; not offered in 1963-1964.

GER. 327-328 HISTORY OF GERMAN LITERATURE IN ENGLISH (3 hrs.) German literature from the Hildebrandslied to the twentieth century. Conducted in English. A reading knowledge of German is desirable, but not essential. Offered irregularly; not offered in 1963-1964.

GER. 427-428 EIGHTEENTH CENTURY LITERATURE (3 hrs.) Readings from the works of Lessing, Goethe and Schiller. Conducted in German. Prerequisite: A reading knowledge of German. Outside reading and reports. Offered irregularly.

GREEK

Students wishing to study Greek language and literature should enroll in F. L. 487-488. See also, however, RELIGION 311-312 and 411-412, BEGINNING and INTERMEDIATE NEW TESTAMENT GREEK.

LATIN

Students wishing to study Latin language and literature should enroll in F.L. 487-488.

SPANISH

SPAN. 101-102 FIRST YEAR SPANISH (3 hrs.) Fundamentals of pronunciation, grammar, reading and composition. Two hours' laboratory work per week in addition to three hours' classroom work. For students who have no acquaintance with the language. Not open to students who have had previous instruction in Spanish. Not more than six hours credit total can be earned by any combination of 101-102 and 103-104.

SPAN. 103-104 FIRST YEAR SPANISH (REVIEW) (3 hrs.) A review of the fundamentals of grammar, pronunciation and composition for students who have studied Spanish before but who do not make a high enough score on the entrance placement test to admit them to Spanish 201-202. Two hours' laboratory work per week in addition to three hours' classroom work. Not more than six hours credit can be earned by any combination of 101-102 and 103-104.

SPAN. 201-202 INTERMEDIATE SPANISH (3 hrs.) Grammar, oral work and reading. Practice in dictation, writing and speaking. Reading of modern prose and plays. Two hours' laboratory work per week in addition to three hours' classroom work. Prerequisite: Spanish 101-102 or equivalent.

SPAN. 301 CONVERSATION (3 hrs.) Conversation, dictation, recordings and composition. Prerequisite: Spanish 201-202 or equivalent.

SPAN. 312 ADVANCED COMPOSITION AND CONVERSATION (3 hrs.) Special attention to Latin American civilization. Particular emphasis on business and commercial Spanish. Prerequisite: Spanish 201-202, 301 or equivalent.

SPAN. 327-328 SURVEY OF SPANISH LITERATURE (3 hrs.) A general survey of Spanish and Spanish-American literature. Literary masterpieces by representative authors of the classical period, the nineteenth century and contemporary literature. Lectures, readings, and reports. Prerequisite: Spanish 201-202 or permission of the Head of the Department. Offered in alternate years.

SPAN. 427-428 SPANISH LITERATURE IN THE NINETEENTH CENTURY (3 hrs.) Development of the drama and novel of the nineteenth century through works of such dramatists as Los Quinteros and Benavente and such novelists as Alarcon, Pereda, Perez, Galdos and Palacio Valdes. Conducted in Spanish. Prerequisite: A reading knowledge of Spanish. Not offered in 1963-1964.

FOREIGN LANGUAGES

F.L. 425 LINGUISTIC DEVELOPMENT OF FOREIGN LANGUAGES (3 hrs.) An introduction to comparative philology. The development of English, French, German and Spanish from the Indo-European to modern times. Required of all majors in the department. Open to other students with the permission of the Head of the Department. Offered in alternate years.

F.L. 450 FOREIGN AREA STUDY (6 hrs.) The Bethany College European Seminar. Independent Study in Europe during summer in various fields of The Liberal Arts, e.g., Art, Architecture, Languages, Literature, History, Comparative Education. Written Reports; Lectures at Foreign Universities; Study of Cultural, Historical Monuments under European Faculty. Registration for credit optional.

F.L. 478 SEMINAR (3 hrs.) Intensive, integrated study in field of concentration. Geography, history, government, education, science, press, art and music of French, German or Spanish-speaking countries. Required of students selecting a Field of Concentration in Foreign Languages.

F.L. 480 METHODS AND MATERIALS IN TEACHING FOREIGN LANGUAGES (3 hrs.) Study of methods, classroom materials, extra-curricular activities necessary for the teacher of French, German, or Spanish. Special emphasis on the Audio-Lingval Techniques and Language Laboratory.

F.L. 487-488 INDEPENDENT STUDY IN FOREIGN LANGUAGES (1 to 3 hrs.) Designed for those students interested in Foreign Languages who desire to do independent study in some special field. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

F.L. 491-492 HONORS COURSE (1 to 3 hrs.) Minor research studies. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in Foreign Languages who are seniors of superior ability and achievement. Permission of the Head of the Department required.

GEOGRAPHY AND GEOLOGY

GEOG. 201 PRINCIPLES OF GEOGRAPHY (3 hrs.) The general principles of the science including earth origins, the results of the dynamic geological agencies tending to change its surface. Practical work in mineralogy, physiography and stratigraphy is required during the course.

GEOG. 301 WORLD GEOGRAPHY (3 hrs.) A study of the physical, social and political geographic factors of the world today. Recent changes in Europe, Asia and Africa will be stressed. Offered in alternate years.

GEOL. 204 HISTORICAL GEOLOGY (3 hrs.) The history of the earth as revealed by its strata. Laboratory and field study of the common fossil and local formations.

HISTORY AND POLITICAL SCIENCE

AIMS

To present the origin and development of institutions and ideas; to point out the great traditions that are molding our thought and action today; and to gain a better perspective of our political, economic, and social life. The courses in Political Science are intended to acquaint the student with the political institutions and political problems in the United States and the world today.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Twelve hours in European or World History, twelve hours in American History, six hours in Political Science, and History 477-478.

EUROPEAN AND WORLD HISTORY

HIST. 301 EUROPE FROM 1500 TO 1914 (3 hrs.) The political and cultural history of Europe from the beginning of modern times to the eve of the First World War.

HIST. 302 EUROPE SINCE 1914 (3 hrs.) A detailed study of political and military history from the beginning of the First World War to the end of the Second World War, with a survey of leading developments since 1945.

HIST. 325 THE HISTORY OF ENGLAND (3 hrs.) English institutions and the English people from the ninth to the early twentieth centuries. Offered in alternate years. Not offered in 1963-1964.

HIST. 366 HISTORY OF THE FAR EAST (2 or 3 hrs.) A survey of the history and civilization of India, China, Japan and other countries of the Orient. Offered in alternate years. Not offered in 1963-64.

HIST. 427 ANCIENT CIVILIZATION (3 hrs.) A history of the Near East, Greece, and Rome to the fourth century A.D. Offered in alternate years.

HIST. 428 THE MIDDLE AGES (3 hrs.) European civilization from the fourth to the fifteenth centuries. Offered in alternate years.

HIST. 429 WORLD HISTORY SINCE 1945 (3 hrs.) The outstanding international events since the end of the Second World War. American foreign policy and Russo-American relations will be emphasized. Offered in alternate years. Not offered in 1963-64.

HIST. 477-478 SEMINAR IN HISTORY (1 hr.) A study of sources, materials, historical criticism and interpretations of history. Required of all students with a Field of Concentration in History and Political Science.

AMERICAN HISTORY

HIST. 201-202 UNITED STATES HISTORY (3 hrs.) The political, economic and social growth of America. First semester covers the period of exploration to 1865; second semester covers from 1865 to the present day.

HIST. 225 WEST VIRGINIA HISTORY, GOVERNMENT AND GEOGRAPHY (3 hrs.) The history of the western section of Virginia to the Civil War and the history and government of West Virginia to the present day. The physical, political and social geography of the state will be included. Offered in alternate years.

HIST. 341 THE DEVELOPMENT OF THE AMERICAN NATION (3 hrs.) A history of the United States from 1828 to 1860. This course considers the rise of Jacksonian Democracy, the effects of that movement and the coming of the Civil War. Offered in alternate years. Not offered in 1963-64.

HIST. 342 THE AGE OF BIG BUSINESS (3 hrs.) The political, social, and economic history of the United States from 1865 to 1914. Emphasis is placed on the growth of industrialism during this period and the resulting attempts at social reform. Offered in alternate years. Not offered in 1963-64.

HIST. 425 TWENTIETH CENTURY AMERICA (3 hrs.) A history of the United States since the end of World War I. Emphasis is placed on social history, the depression, the reforms of the New Deal, and the place of the United States in world affairs today. Offered in alternate years.

HIST. 426 LATIN AMERICAN HISTORY (3 hrs.) A cultural and political history of Central and South America with emphasis on the period since 1890. Offered in alternate years.

HIST. 487-488 INDEPENDENT STUDY IN HISTORY (1 to 2 hrs.) Designed for those students interested in any period or phase of history not covered by a regular course. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

HIST. 491-492 HONORS COURSE (1 or 2 hrs.) Advanced projects and minor research studies in history and political science. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in History who are seniors of superior ability and achievement. Permission of the Head of the Department required.

POLITICAL SCIENCE

POL. SCI. 225 AMERICAN NATIONAL GOVERNMENT (3 hrs.) A study of the principal institutions and processes of the national government. Particular attention is given to the Constitution, the President, Congress, the Supreme Court, and political parties and pressure groups.

POL. SCI. 226 STATE AND LOCAL GOVERNMENT (3 hrs.) A study of the government and politics of states and localities. Attention is given to intergovernmental relations, structure and organization, and functions and problems.

POL. SCI. 327 MODERN POLITICAL THOUGHT (3 hrs.) A survey of political philosophy from Machiavelli to the present. A special effort is made to relate the principal themes in modern political thought to contemporary politics. Offered in alternate years. Not offered in 1963-64.

POL. SCI. 328 COMPARATIVE GOVERNMENT (3 hrs.) A comparative study of the governments of the major powers of Europe, including Great Britain, France, the German Federal Republic, and the Soviet Union. Offered in alternate years. Not offered in 1962-63.

POL. SCI. 339 AMERICAN POLITICAL PARTIES (3 hrs.) A study of major and minor political parties in the United States. Attention is given to the functions, history, structure, tactics, and financing of political parties in a democratic system. Classroom work is supplemented by field work involving observation of party headquarters and political campaigns. Prerequisite: Pol. Sci. 225 or 226 or Hist. 201-202 or consent of the department head.

POL. SCI. 340 PRESSURE GROUPS AND PUBLIC OPINION (3 hrs) A study of pressure groups and public opinion and their place in American politics. Attention is given to the nature, forms, and significance of pressure groups and public opinion. A special attempt is made to examine the group theory of politics and the manipulation of public opinion. Prerequisite: Pol. Sci. 225 or 226 or Hist. 201-202 or consent of the department head.

POL. SCI. 365 AMERICAN FOREIGN RELATIONS (3 hrs.) A study of the relations of the United States with foreign powers. Primary emphasis is placed on political factors in the making of foreign policy and the various institutional aspects of the subject. Offered in alternate years.

POL. SCI. 366 INTERNATIONAL ORGANIZATION (3 hrs.) A study of the principles, purposes, and forms of international organization in the twentieth century. Primary attention is given to the United Nations. Offered in alternate years.

POL. SCI. 371 MUNICIPAL GOVERNMENTS (2 hrs.) A study of city origins and governmental development with special reference to current city and metropolitan administration.

POL. SCI. 401-402 PRACTICA IN POLITICAL SCIENCE (1 hr.) Each practicum involves some limited classroom work and a field trip to the national capital, and the capital of a state. Students observe the daily operations of government, particularly those of the executive and legislative branches. Prerequisite: Pol. Sci. 225 and Pol. Sci. 226 or consent of the department head.

POL. SCI. 477-478 INDEPENDENT STUDY IN POLITICAL SCIENCE (1 or 2 hrs.) Individual investigation in some field of government chosen by the student with the approval of the head of the department. Open to students especially interested in government.

POL. SCI. 480 INTERNSHIP IN PRACTICAL POLITICS (3 hrs.) Students enrolled in this course work as interns in the offices of political parties or pressure groups for a period of six weeks during the summer months. Open to students only on the basis of special application and selection by a faculty committee.

POL. SCI. 481 SEMINAR FOR INTERNS IN PRACTICAL POLITICS (3 hrs.) A course designed especially for students in the summer intern program. Students present papers based on their summer experience and the instructor supplements this work with additional relevant materials. Required of all students enrolled in Pol. Sci. 480.

HONORS

For a description of the aims and requirements of the Honors Program, see p. 79 above. A student participating in the Honors Program should enroll in the appropriate Honors Seminar each semester.

HONORS 401 CONTEMPORARY ISSUES IN AMERICAN THOUGHT (2 hrs.) Primarily for sophomores.

HONORS 404 THE HISTORY AND PHILOSOPHY OF SCIENCE (2 hrs.) Primarily for juniors.

HONORS 406 FORMS, MEANINGS, AND VALUES IN THE ARTS (2 hrs.) Primarily for seniors.

HONORS 407 MARXISM (2 hrs.) Primarily for Juniors.

HONORS 410 UNIVERSAL THEMES IN LITERATURE (2 hrs.) Primarily for Sophomores.

HONORS 412 THE SHAPING OF THE MODERN MIND (2 hrs.) Primarily for Seniors.

JOURNALISM

AIMS

To provide training for students preparing to do (1) newspaper or magazine work, (2) free-lance or professional writing, (3) public relations work, (4) preparation of advertising material, (5) direction of high school or college publications.

JOURN. 303 REPORTING (3 hrs.) Techniques and values of news reporting and news writing; emphasis upon learning to write forcefully and distinctively; writing of daily news stories.

JOURN. 304 FEATURES (3 hrs.) Writing special articles for magazines and trade journals.

JOURN. 325 ADVERTISING (3 hrs.) Training in media, research, production, copywriting and merchandising. Minimum requirement, one complete advertising campaign. Offered in alternate years.

JOURN. 326 ADVANCED ADVERTISING (3 hrs.) A study of advertising journals, the advertising agency, co-operative advertising. Prerequisite: Journalism 325. Offered in alternate years.

JOURN. 355 ADVANCED FEATURES (3 hrs.) The slanting of articles toward specific magazines, and the submission of articles to editors for possible publication. Offered in alternate years; not offered in 1961-62.

JOURN. 367 CREATIVE WRITING (3 hrs.) (English 304) An advanced writing course. Intensive practice in essays and fiction. Offered in alternate years.

JOURN. 415 INTRODUCTION TO PUBLIC RELATIONS (3 hrs.) The function of public relations in modern society, and the principles underlying its successful application. Offered in alternate years.

JOURN. 426 APPLIED PUBLIC RELATIONS (3 hrs.) Case studies of actual public relations programs; initiation and development of one such program, and a thorough study of one field of public relations to be selected by the student. Offered in alternate years.

JOURN. 435-436 SCHOOL PUBLICATIONS (1-3 hrs.) Editorial and typographical problems of yearbooks, newspapers, handbooks, magazines, and other material. Laboratory work will include work on one of the Bethany student publications.

JOURN. 487-488 INDEPENDENT STUDY. (1 to 3 hrs.) Designed for students who are planning a career in reporting, feature writing, advertising or public relations. A continuation of work already begun, subject to consultation with the Head of Department.

JOURN. 491-492 HONORS COURSE (1 to 3 hrs.) A major project for superior senior students who excel in any special field of journalism. A book-length assignment involving adequate research.

LIBRARY SCIENCE

LIB. SCI. 241. INTRODUCTION TO LIBRARIANSHIP (3 hrs.) Planned to give an overview of the field of librarianship and library development, with suggestion of opportunities for service which the library profession offers. (Open to freshmen).

LIB. SCI. 341. LIBRARY TECHNIQUE (3 hrs.) Library organization and routines; planned to familiarize the prospective library school student with the kind of work and the type of problems undertaken in the professional library school. A laboratory course. Prerequisite, Library Science 241.

MATHEMATICS

AIMS

To provide the general student with a knowledge of the mathematical foundation of our civilization, to give the prospective teacher an understanding and appreciation of the fundamental ideas of elementary mathematics; to provide a tool for the technical student; and to give the prospective graduate student a foundation for later study and research.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MATHEMATICS

A minimum of twenty-four hours in the department, including Mathematics 201-202, and at least twelve hours of upper division level which should include Mathematics 303-304. Students interested in mathematics as a teaching subject should elect Mathematics 325 and 326. Students interested in science and engineering should elect Mathematics 425 and 428. Students interested in economics should elect Mathematics 327 and 328. Two courses in the department should be taken in the senior year. Sequence of courses subject to approval of the Senior Counselor.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN APPLIED MATHEMATICS

Option I (Physics, and/or Chemistry). A minimum of thirty-three hours with at least eighteen hours in the Department of Mathematics which must include Mathematics 201-202, 425 and 428, and fifteen hours in the Department of Physics and/or Chemistry which should include Physics 301-302, and Chemistry 439-440. Recommended courses include Mathematics 303-304, Physics 303-304, 356-366, and Chemistry 202 or 204, 301-302. Sequence of courses subject to approval of the Senior Counselor.

Option II (Economics). A minimum of thirty-three hours with at least eighteen hours in the Department of Mathematics which must include Mathematics 201-202, 327, 328, and fifteen hours in the Department of Economics which must include Economics 265-266, 325, 329, 425. Recommended courses include Mathematics 303-304 and Economics 326. Sequence of courses subject to approval of the Senior Counselor.

MATH. 101 MATHEMATICAL ANALYSIS (3 hrs.) Plane trigonometry, logarithms and slide rule; linear and quadratic equations; inequalities, progressions and binomial theorem; mathematical induction; analytic geometry of the straight line; determinants. Students enrolling in this course who rank low in the mathematics achievement test for freshmen will be required to attend a special laboratory section until their deficiency is corrected.

MATH. 102 MATHEMATICAL ANALYSIS (3 hrs.) Polar coordinates; DeMoivre's theorem; theory of equations; permutations and combinations; the analytical geometry of second degree curves; quadric surfaces; applications of analytical methods and an introduction to derivative. Prerequisite: Mathematics 101 or three units of mathematics at the secondary school level, including trigonometry and high standing in the mathematics achievement test for freshmen.

MATH. 151 FINITE MATHEMATICS (3 hrs.) Introduction to concepts occurring in modern mathematics. Symbolic logic and truth tables, set theory, vectors and matrix theory, binomial theorem and probability theory, linear programming and game theory. This course includes a review of algebra and is designed especially for the non-science student.

MATH. 201-202 DIFFERENTIAL AND INTEGRAL CALCULUS (3 hrs.) Technique of differentiation and integration with applications and an introduction to infinite series. Prerequisite: Mathematics 101-102.

MATH. 226. MATHEMATICS FOR TEACHERS (2 hrs.) A study of the fundamental principles, concepts, and methods of teaching arithmetic. A course designed to acquaint students with the basic mathematics necessary for teaching in the elementary field. Offered in alternate years.

MATH. 241 ENGINEERING DRAWING (3 hrs.) Free-hand lettering; orthographic projection, including sections and auxiliary views; dimensioning; isometric and oblique projections with emphasis on working drawings. Standard symbols and convention. Ink and pencil tracings. Offered in alternate years. Not offered in 1963-1964.

MATH. 242 DESCRIPTIVE GEOMETRY (3 hrs.) Principles of projections; non-metric and metric problems; plane sections and developments; intersections of surfaces; construction of perspective drawings. This course achieves an effective correlation between descriptive and analytic geometry by presenting both the graphic and the algebraic methods. Offered in alternate years. Not offered in 1963-1964.

MATH. 244 PLANE SURVEYING (3 hrs.) Care and use of surveying instruments; field problems; computation and mapping. One hour class and four hours field work each week. Offered in alternate years.

MATH. 302 MECHANICS (3 hrs.) (Physics 302). A treatment of classical mechanics with application of principles and a brief consideration of wave mechanics. Prerequisites: Physics 201-202 and Mathematics 201-202. Offered in alternate years. Not offered in 1963-1964.

MATH. 303-304 ADVANCED CALCULUS (3 hrs.) Theory of the derivative and the definite integral; partial differentiation and its applications; Green's and Stoke's theorems; power series; Fourier series; vector notation; complex variable. Prerequisite: Mathematics 201-202. Offered in alternate years. Not offered in 1963-1964.

MATH. 325 INTRODUCTION TO HIGHER ALGEBRA (3 hrs.) Theory of equations; solution of cubic, quartic, and numerical equations; congruences and Diophantine equations; complex numbers and an introduction to the fundamental concepts of algebra—class, group, field, number. Prerequisite: Mathematics 201-202. Offered in alternate years.

MATH. 326 INTRODUCTION TO MODERN GEOMETRY (3 hrs.) Euclidean and non-Euclidean geometries; an introduction to synthetic projective geometry; the concept of limit and infinity; geometrical constructions, recent developments and theorems. Prerequisite: Mathematics 201-202. Offered in alternate years.

MATH. 327 MATHEMATICS OF STATISTICS (3 hrs.) Frequency distributions; measures of central tendency; dispersion and correlation; regression equations and the theory of probability. Sampling techniques and applications of the chi-square, t-, and F distributions. Prerequisite: Mathematics 201-202. Offered in alternate years. Not offered in 1963-1964.

MATH. 328 MATHEMATICS OF FINANCE AND INVESTMENT (3 hrs.) The operation of interest and annuities; amortization of debts and sinking funds; valuation of bonds; the experience table and calculation of premiums for life insurance. Prerequisites. Math-

ematics 101, Economics 201-202. Offered in alternate years. Not offered in 1963-1964.

MATH. 329 SPACE GEOMETRY (3 hrs.) Advanced methods and problems of analytic geometry of two and three dimensions; the general equation of the second degree; poles and polars; quadric surfaces; determinants. This course includes the concepts of elements at infinity, homogeneous coordinates, line coordinates, cross ratio, transformations, and complex elements. Prerequisite: Mathematics 201-202. Offered in alternate years.

MATH. 341 VECTOR ANALYSIS (3 hrs.) Elementary operations, scalar and vector products, gradient, operator, differentiation formulas, divergence and curl, integration, line integral, work and potential, surface integrals, reciprocal systems, general coordinates, applications. Prerequisite: Mathematics 201-202. Offered in alternate years.

MATH. 402 THEORY OF PROBABILITY (3 hrs.) Basic course on the mathematical theory of probability. Combinatorial analysis, binomial coefficients, and Stirling's formula. Poisson distribution, law of large numbers and limit theorems. Prerequisite: Mathematics 327. Offered in alternate years. Not offered in 1963-1964.

MATH. 425 or 426 DIFFERENTIAL EQUATIONS (3 hrs.) Methods of solution of ordinary differential equations and their applications to the physical sciences. Prerequisite: Mathematics 201 or 202.

MATH. 428 APPLIED MATHEMATICS (3 hrs.) Applications of ordinary and partial differential equations to problems in physics, chemistry and electricity; vibrating string and heat flow problems; vector calculus and applications. Prerequisite: Mathematics 425. Offered in alternate years.

MATH. 477 or 478 SEMINAR IN MATHEMATICS (1 to 3 hrs.) Special reports prepared and presented by the students under supervision. The work of the second semester will help prepare the student for the comprehensive examination. Required of all students concentrating in the Field of Mathematics. Open only to seniors.

MATH. 479 or 480 METHODS AND MATERIALS IN TEACHING MATHEMATICS (2 or 3 hrs.) Approved methods in teaching mathematics at the secondary level; class period activities of the teacher; procedures and devices in teaching; organization of materials, testing, aims, and modern trends. Open only to juniors and seniors who expect to teach. Offered in alternate years.

MATH. 487-488 INDEPENDENT STUDY IN MATHEMATICS (1 to 3 hrs.) Designed for those students especially interested in Mathematics who desire to do independent study in some special field.

The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

MATH. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced projects and minor research studies. Enrollment limited to students concentrating in Mathematics who are seniors of superior ability and achievement. Permission of the Head of the Department required.

MUSIC

AIMS

To promote understanding and appreciation of works of musical art of generally recognized excellence in relation to cultural conditions of their respective periods through integrated study of music theory, history, literature and performance; to provide the college community with stylistically sound performances of good works; to provide thorough basic training in musicianship on the pre-professional level; to provide a program of study leading to certification in public school music; to provide a program of study leading to the development of skills useful in administering a program of church music.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MUSIC LITERATURE

Students may elect a field of concentration in music literature or in music education. Requirements for concentration in music literature include Music 143-144, 303,304, 343-344, 327-328, twelve hours in the 341-366 sequence, Music 478, and a minimum of ten hours of applied music. Only 2-4 hours of applied music may be in ensemble credit, at the discretion of the Head of the Department.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MUSIC EDUCATION

Requirements for concentration in music education include Music 143-144, 303-304, 327-328, 6 hours in the 341-366 sequence, Music 478, 439, 422, 479, 480, and a minimum of 12 hours in applied music. Four hours of applied music may be in 121-122 class instruments, and 2 hours may be in 125 (ensemble).

All students pursuing a curriculum in music will enroll in Music 125 with or without credit, except for students in the Professional Block semester in Education. All music concentration students are expected to attend college-sponsored events including musical performance.

LITERATURE AND THEORY OF MUSIC

MUS. 101 INTRODUCTION TO MUSIC AS AN ART AND SCIENCE (2 hrs.) The elements of tonal relationships, simple rhythms, intervals, melodies in both major and minor modes; designed to give the student the ability to recognize, reproduce and record simple melodic and rhythmic patterns.

MUS. 143-144 THEORY I, II (3 hrs.) The theoretical subject fields—harmony, keyboard harmony, sight singing, dictation, ear training,—are combined in one interrelated course. A study is made of the primary chords and those secondary chords which are most common in classical literature. Inversions are studied as the need presents itself in writing a smooth bass line. Written work covered by the end of the year will include harmonization of melody and figured bass, use of triads, dominant seventh and ninth chords with inversions, modulations of near-related keys, and harmonic analysis. Sight singing, dictation and ear training help the student clarify and crystallize on paper what he hears. In keyboard harmony melodies are given accompaniments, modulation to all keys by various means, simple transposition. Not offered in 1963-1964.

MUS. 303-304 THEORY III, IV (3 hrs.) The work of the first year is continued but includes ninth chords, secondary sevenths altered chords. Analysis and keyboard work. In the second semester more emphasis on the study of contrapuntal techniques, written and analyzed. Stylistic analysis of representative masterpieces of all periods. Four hours a week, both semesters.

MUS. 327-328 MUSIC HISTORY (2 hrs.) The historical significance of the main periods and types of music. Requires some technical background.

MUS. 341 SYMPHONIC LITERATURE (3 hrs.) Aural examination and analysis supplemented with collateral reading of the literature of music written for symphony orchestra from mid-18th century until c. 1910. No technical prerequisites, but previous completion of Fine Arts 201 is desirable. Offered in alternate years.

MUS. 342 THE OPERA (3 hrs.) A history of the opera from 1600 to the present with detailed study of a few representative operas in their entirety from recordings and scores. No technical prerequisites, but previous completion of Fine Arts 201 is desirable. Offered in alternate years.

MUS. 343 COUNTERPOINT (2 hrs.) Basic principles of writing two, three, and four-voice counterpoint, and their application in the smaller forms of composition. (Fall Semester). Not offered in 1963-64.

MUS. 344 ORCHESTRATION (2 hrs.) A course in arranging music for various types of instrumental ensembles. (Spring Semester). Not offered in 1963-64.

MUS. 365 MUSIC OF THE BAROQUE ERA (3 hrs.) A study, largely aural, of representative works from the 17th and early 18th centuries with special emphasis on Bach and Handel. Collateral historical and biographical reading. Not offered in 1963-64.

MUS. 366 CONTEMPORARY MUSIC (3 hrs.) Aural study of representative works in various media written since c. 1910. Collateral reading of biographical and critical material. Not offered in 1963-64.

MUS. 379 HYMNOLOGY (2 hrs.) A survey of the hymn literature of the Protestant Church, with consideration of literary, sociological, and religious forces affecting the creation of hymn poetry and hymn tunes. Not offered in 1963-64.

MUS. 380 CHURCH MUSIC (2 hrs.) Study of goals, problems, and methods pertinent in the administration of a program of church music. Opportunities for practical experience and the solution of problems in a typical church music program are afforded members of the class. Not offered in 1963-64.

MUS. 439 CHORAL CONDUCTING (2 hrs.) The technique of the baton and the different problems to be met in conducting chorus; the introduction to score reading; an opportunity for experience through the conducting of the college choral groups. Offered only to advanced students.

MUS. 422 INSTRUMENTAL CONDUCTING (2 hrs.) The techniques of the baton and the different problems to be met in conducting orchestra and band; the introduction to score reading; an opportunity for experience through the conducting of the college instrumental groups. Offered only to advanced groups.

MUS. 478 SEMINAR (1 hr.) Survey and review of the field of music; its history, theory and literature. Required of all students concentrating in the field of Music. Open only to seniors.

MUS. 479 MUSIC EDUCATION (3 hrs.) (Methods and materials of Teaching Music in the Elementary Schools.) Consideration of the aims and values of elementary school music with opportunities to develop teaching techniques, and to become familiar with the standard materials.

MUS. 480 MUSIC EDUCATION (3 hrs.) (Methods and Materials in Teaching Music in the Secondary Schools.) Analysis of music offered in senior and junior high schools throughout the United States. Consideration of problems, objectives and materials in teaching vocal and instrumental music, theory and appreciation courses in secondary schools. Opportunities for developing practical teaching projects.

MUS. 487-488 INDEPENDENT STUDY IN MUSIC (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. The field of study may be selected by the student interested, subject to the approval of the Head of the Department, according to interest in Music and future needs.

MUS. 491-492 HONORS COURSE (1 to 3 hrs.) Projects and minor research studies in special fields of music, or creative work of an advanced nature. Enrollment limited to students concentrating in Music who are seniors of superior ability and achievement. Permission of the Head of the Department required.

APPLIED MUSIC*

MUS. 121s-122s CLASS STRINGS (1 hr.) Class instruction in the basic techniques of stringed instruments. Required of all students with a concentration in Music Education.

MUS. 121b CLASS INSTRUCTION IN BRASS INSTRUMENTS (1 hr.) Required of all students with a concentration in Music Education.

MUS. 122w CLASS INSTRUCTION IN WOODWIND INSTRUMENTS (1 hr.) Required of all students with a concentration in Music Education.

MUS. 125c-126c CHURCH CHOIR (1 hr. per year) An ensemble of mixed voices which sings weekly for the services of the Bethany Memorial Church and occasionally for the chapel services of the college. Enrollment by approval of the director.

*Courses in applied music may be repeated for credit.

MUS. 125cc-126cc CONCERT CHOIR (1 hr. per year) The preparation for concert performance of standard choral literature, both sacred and secular. A group of not more than 36 carefully selected, mixed voices. Enrollment by audition.

MUS. 125m-126m MALE CHORUS (1 hr. per year) The study and performance of concert repertoire for male voices. Membership is limited; enrollment by audition.

MUS. 125o-126o ORCHESTRAL ENSEMBLE (1 hr. per year) The study and performance of standard orchestral or chamber literature with occasional public performances.

MUS. 125bc-126bc BRASS CHOIR (1 hr. per year) The study and performance of baroque and contemporary music for brass instruments. Enrollment by audition.

MUS. 125b-126b BAND (1 hr. per year) An ensemble of wind and percussion instruments which plays for festive and athletic events of the college. Enrollment by approval of the director.

MUS. 125s-126s WHEELING SYMPHONY ORCHESTRA (1 hr. per year) Participation in the Wheeling Symphony Orchestra in regular concerts and rehearsals. Enrollment by audition.

MUS. 141o-142o ORGAN (1 or 2 hrs.) Technique, theory and literature of the organ. Open to all students who have had some training in either piano or organ. Private lessons. Enrollment by permission of the instructor.

MUS. 141p-142p PIANO (1 or 2 hrs.) Literature and technique of piano playing designed to develop in the students a discriminating appreciation of fine music and fine musical performance. Private lessons. Enrollment by permission of the instructor.

MUS. 141s-142s STRINGS (1 or 2 hrs.) Private lessons in violin, viola, cello or bass. Course open to beginners as well as to students with previous training. Enrollment by permission of the instructor.

MUS. 141v-142v VOICE (1 or 2 hrs.) Vocal technique, theory and literature. Open to all students who have adequate native ability with or without previous vocal training. Private lessons. Enrollment by permission of the instructor.

MUS. 141w-142w WIND INSTRUMENTS (1 or 2 hrs.) Private lessons in basic brass and woodwind instruments. Open to beginners as well as to students with previous training. Enrollment by permission of the instructor.

Mus. 301o-302o ADVANCED ORGAN (1 or 2 hrs.) Open only to students who can demonstrate satisfactorily their ability to play compositions equivalent in difficulty to the following: Bach—G minor Fugue (The Little); D minor Toccata and Fugue; or Widor—Toccata from Symphony V. Private lessons. Enrollment by permission of the instructor.

Mus. 301p-302p ADVANCED PIANO (1 or 2 hrs.) Open only to more advanced students who can demonstrate satisfactorily their ability to perform compositions equivalent in difficulty to the following: Beethoven Op. 27 No. 2; Bach—Preludes and Fugues Nos. 2 and 21 (Vol. 1). They will be expected to perform in public recitals from time to time. Private lessons. Enrollment by permission of the instructor.

Mus. 301s-302s ADVANCED STRINGS (1 or 2 hrs.) Open only to students who are able to play satisfactorily music equivalent in difficulty to the Kreutzer Etudes and DeBeriot Concertos for violin. Public performance required. Private lessons. Enrollment by permission of the instructor.

Mus. 301v-302v ADVANCED VOICE (1 or 2 hrs.) Open only to students who have completed four semesters of voice study, can read at sight, have adequate use of at least one modern foreign language, and can demonstrate the ability to perform numbers equivalent in difficulty to standard operatic and lieder literature. Public performance required. Private lessons. Enrollment by permission of the instructor.

PHILOSOPHY

AIMS

To coach the student in the process of thinking things out for himself; to acquaint the student with the great questions and answers of our philosophical heritage; to develop the student's ability to define issues, sustain arguments, evaluate evidence, and to penetrate below the surface of things to general principles; in short, to teach the student to philosophize.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of twenty-four hours in the department including Philosophy 353-354.

PHIL. 201 INTRODUCTION TO PHILOSOPHY (3 hrs.) Five or six of the major problems of knowledge and existence as developed in the writings of great philosophers ranging from Plato to modern times.

PHIL. 202 ETHICS (3 hrs.) The theory of the moral life as developed in the history of western thought and applied to personal and social problems.

PHIL. 353-354 HISTORY OF PHILOSOPHY (3 hrs.) Western philosophical thought from the seventh century B.C. to modern times. The first semester will be devoted to a study of ancient and medieval philosophers. The second semester will begin with the Renaissance.

PHIL. 365 REFLECTIVE THINKING (3 hrs.) Deductive and inductive reasoning; practice in the detection of logical fallacies. Offered in alternate years.

PHIL. 369 SOCIAL PHILOSOPHY (3 hrs.) An inquiry into the structures of order in society and the nature of social process. Special attention to communism, fascism, conservatism, and socialism. Offered in alternate years.

PHIL. 373 PHILOSOPHY OF RELIGION (3 hrs.) Philosophical analysis of the nature and validity of religious experience, including relation of faith and reason; arguments for God; problem of evil; immortality. Offered in alternate years. Not offered in 1963-64.

PHIL. 378 AESTHETICS (3 hrs.) Foundations of aesthetic perception and judgment with special reference to music and to the visual and literary arts. Offered in alternate years; not offered in 1963-64.

PHIL. 402 CONTEMPORARY PHILOSOPHY (3 hrs.) Western philosophical thought since 1900. Offered in alternate years; not offered in 1963-64.

PHIL. 405 or 406 AMERICAN PHILOSOPHY (3 hrs.) The development of philosophical ideas in the United States from colonial times to the present, with special attention to Edwards, Emerson, James, Peirce, Royce, Whitehead, and Dewey. Offered in alternate years.

PHIL. 485-86 SEMINAR IN PHILOSOPHY. (2 hrs.) Intensive examination of the perspective of one great Western philosopher. Permission of instructor required.

PHIL. 487-88 INDEPENDENT STUDY IN PHILOSOPHY (1-3 hrs.) Designed for students interested in independent research in a special field. Research project subject to the approval of Chairman of Department.

PHYSICAL EDUCATION AND HEALTH

AIMS

To promote the health education and physical development of the student; to provide opportunities for students to participate in and secure a reasonable degree of proficiency in recreational activities; and to train physical education and recreation leaders for educational and community situations.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the department which should include the following courses: Physical Education 125, 227, 442, 464, 471, 480; Sociology 201; Biology 101-102, 201 and 425 or 167 are recommended. Sequence of courses subject to approval of the Senior Counselor.

REQUIREMENTS FOR ALL STUDENTS FOR GRADUATION

Freshmen: Physical Education 101-102 is required. Physical Education 125 may be elected in the freshman or sophomore year or Biology 101 may be offered as a substitute. Sophomores: Physical Education 201-202 is required of all students but permission may be granted to substitute equivalent hours from Physical Education 169-170, 227-228, 243, 301-302 or work in varsity athletics.

One hour's credit will be given for a season's work in varsity athletics, i.e., football, basketball, track, baseball, golf, swimming, cross country, and tennis, provided students enroll for Physical Education 201-202. Not more than a total of four hours credit towards graduation will be allowed from courses 101-102, 201-202, and varsity athletics.

All students will be required to pass a swimming achievement test prior to graduation. Students who are physically unfit as certified by the college physician may petition to be allowed to substitute hours in other courses in lieu of activity courses in physical education. Students who are not candidates for a degree may be exempt from the requirements of physical education. Any petition for exemption from physical education should be addressed to the Committee on Admission and Academic Review.

PHYS. ED. 101-102 FRESHMAN ORIENTATION IN PHYSICAL EDUCATION (1 hr.) The techniques and rules of a wide variety of team sports. An activity course. Three periods per week. Required of all freshmen.

PHYS. ED. 125 PERSONAL HYGIENE (2 hrs.) Fundamental knowledge of personal hygiene and how the health of the individual may be conserved.

Note: Students who have successfully passed Biology 101, or who have shown by a comprehensive test that they possess a satisfactory knowledge of health principles and practices, may be permitted to substitute two hours of other academic work for this requirement.

PHYS. ED. 167 INTRODUCTION TO MAMMALIAN ANATOMY AND PHYSIOLOGY (2 hrs.) (See Biology 167).

PHYS. ED. 169-170 FOLK DANCING (1 hr.) Folk dancing from many countries. English and American country dances during the first semester and European dances during the second semester. An activity course. Two periods per week.

PHYS. ED. 201-202 SOPHOMORE PHYSICAL EDUCATION (1 hr.) Individual sports; planned for sophomores who desire to elect a general recreation course. An activity course. Three periods per week.

PHYS. ED. 226 COMMUNITY HYGIENE (2 hrs.) Health matters pertaining to the social group; communicable diseases; vital statistics; legal and social regulations relating to personal and community health.

PHYS. ED. 227 ELEMENTARY SWIMMING (1 hr.) Instruction for beginners in buoyancy and flotation. Preliminary tests for swimming and such strokes as elementary back, side, and crawl. An activity course. Three periods per week.

PHYS. ED. 228 ADVANCED SWIMMING (1 hr.) Correct form of the more advanced strokes, as the trudgen, American crawl, racing back and breast, diving and life saving. An activity course. Three periods per week.

PHYS. ED. 230 OUR OUTDOORS (1 hr.) (See Biology 230).

PHYS. ED. 240 SOCIAL DANCING (1 hr.) Instruction in the modern social dance steps. An activity course. Two periods per week. Not offered in 1963-1964.

PHYS. ED. 243 TUMBLING AND STUNTS (1 hr.) Begins with individual stunts and advances to more intricate work. An activity course. Two periods per week. Not offered in 1963-1964.

PHYS. ED. 267-268 THEORY AND PRACTICE OF TEAM SPORTS (2 hrs.) Intensive practice with opportunity for officiation in team sports for men and women.

PHYS. ED. 301-302 MODERN DANCING (1 hr.) Contemporary dancing, emphasizing the use of the fundamental expressive movements in creative work. An activity course. Two periods per week.

PHYS. ED. 303 COACHING FOOTBALL (2 hrs.) Fundamentals, offensive and defensive styles of play, rules of the game and officiating. Offered in alternate years; not offered in 1963-1964.

PHYS. ED. 304 COACHING BASKETBALL (2 hrs.) Fundamentals, offensive and defensive styles of play, rules, officiating and the place of basketball in the intramural program. Alternates with Physical Education 326.

PHYS. ED. 325 INTRAMURAL SPORTS (2 hrs.) Organization, administration and objectives of the intramural program of athletics. Offered in alternate years; not offered in 1963-1964.

PHYS. ED. 326 BASEBALL, TRACK AND FIELD (2 hrs.) Strategy and fundamentals of baseball, track and field. Alternates with Physical Education 304.

PHYS. ED. 327 COMMUNITY RECREATION (3 hrs.) The philosophy of American recreation and community organization for leisure time activities. Offered in alternate years; not offered in 1963-1964.

PHYS. ED. 328 RECREATION LEADERSHIP (3 hrs.) Recreational activities; practice in the leadership of games, square dancing, playground activities, with a two hour laboratory for handicrafts. Offered in alternate years; not offered in 1963-1964.

PHYS. ED. 340 PREVENTION AND CARE OF INJURIES (2 hrs.) Common hazards of play and athletics. Preventive measures and treatment of injuries. Red Cross First Aid Certificate may be earned by those who pass the examination. Offered in alternate years; not offered in 1963-1964.

PHYS. ED. 341 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION (2 hrs.) Methods used in evaluating outcomes of the physical education program.

PHYS. ED. 402 CORRECTIVE GYMNASTICS AND NORMAL DIAGNOSIS (3 hrs.) Variations of the normal types of the human organism at different age levels; therapeutic measures, especially those which refer to the correction of mechanical defects. Prerequisites: Biology 201 and 425. Offered in alternate years; offered in 1963-1964.

PHYS. ED. 424 KINESIOLOGY (3 hrs.) Fundamental body movements and their relation to body development and efficiency. Prerequisite: Biology 201 and 425.

PHYS. ED. 425 PHYSIOLOGY (3 hrs.) (Biology 425). Structure and functions of the human body; the mechanism of bodily movements, responses, reactions, and various physiological states. Prerequisites: Biology 101-102 and 201. Alternates with Biology 365.

PHYS. ED. 428 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (3 hrs.) Administrative relationships and procedure in the conduct of physical education. Offered in alternate years; not offered in 1963-1964.

PHYS. ED. 439-440 THEORY AND PRACTICE OF INDIVIDUAL SPORTS (2 hrs.) Intensive practice in badminton, archery, tennis, handball, golf, and life saving with a study of the rules of each and of methods used in teaching.

PHYS. ED. 441 HISTORY OF PHYSICAL EDUCATION (2 hrs.) Development of physical education from ancient times to the present. Offered in alternate years; not offered in 1963-1964.

PHYS. ED. 442 PRINCIPLES OF PHYSICAL EDUCATION (3 hrs.) Principles basic to a program of physical education in the modern educational system. Offered in alternate years, not offered in 1963-1964.

PHYS. ED. 464 TEACHING OF HEALTH (3 hrs.) (Health Problems of the School Child). A course designed to provide students with opportunities to study health problems, activities, and methods of teaching the school child.

PHYS. ED. 471 SEMINAR IN PHYSICAL EDUCATION (1 hr.) A survey of the field of health and physical education and the current literature relating to investigations in the field. Prerequisites: Physical Education 425 and 442. Open only to upper division students. Required of all students concentrating in the Field of Physical Education.

PHYS ED. 480 METHODS AND MATERIALS IN TEACHING PHYSICAL EDUCATION (3 hrs.) Methods, materials and techniques pertinent to the teaching of Physical Education.

PHYS. ED. 487-488 INDEPENDENT STUDY IN PHYSICAL EDUCATION (1 to 3 hrs) Designed for those students interested in physical education who desire to do independent study in some special field. The field of study may be selected by the student subject to the approval of the Head of the Department, according to interest and future needs.

PHYS. ED. 491-492 HONORS COURSE (1 to 3 hrs.) Special problems and minor research studies in physical education. Enrollment limited to students concentrating in Physical Education who are seniors of superior ability and achievement. Permission of the Head of the Department required.

PHYSICAL SCIENCE

PHYS. SCI. 201-202 PHYSICAL SCIENCE (3 hrs.) A survey of the fields of astronomy, geology, physics and chemistry, with appropriate laboratory work. This course may be used to satisfy six hours of the science requirement. Open to freshmen.

PHYSICS

AIMS

To give the liberal arts student some insight into our universe and its physical laws, with emphasis upon the scientific method.

To present to the pre-professional student a general knowledge of physics and its laboratory methods that are applicable to his field.

To acquaint the advanced undergraduate student with some of the theory and the laboratory methods in the main branches of physics, so that he may be equipped for teaching, research, or graduate work in this field.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the department, including Physics 301-302, 303, 304, and 305-306. Physics 325-326, 341-342, and 487-488, and a reading knowledge of German and French are recommended for students expecting to do graduate work. Mathematics or chemistry is strongly recommended as the related field. Sequence of courses subject to approval of the Head of the Department.

PHYS. 128 ASTRONOMY (3 hrs.) A course in descriptive astronomy. This non-technical course in beginning astronomy includes such topics as the solar system, satellites, eclipses, constellations, the galactic system, and exterior systems. Offered in alternate years; offered in 1963-64.

PHYS. 201-202 GENERAL PHYSICS (4 hrs.) A continuous course. First semester: mechanics, heat and sound. Second semester: electricity, light and modern physics. A fundamental course which is a prerequisite to all advanced physics courses. Prerequisite: Mathematics 101 or Trigonometry. Open to freshmen.

PHYS. 301-302 MECHANICS (3 hrs.) Particle mechanics, central force motions; motions of rigid bodies; free, forced and coupled oscillations; elasticity; fluid motion; introduction to special theory of relativity and Lagrange's equations. Offered in alternate years; not offered in 1963-64.

PHYS. 303 HEAT (3 hrs.) Temperature, calorimetry, expansion, conductivity, change of state and radiation; thermodynamics and kinetic theory. Prerequisites: Physics 201-202 and Mathematics 201-202. Offered in alternate years; offered in 1963-64.

PHYS. 304 ADVANCED LIGHT AND PHYSICAL OPTICS (3 hrs.) Theories of light, reflection, refraction, interference, diffraction, polarization, geometric optics, optical instruments, vision and spectroscopy. Prerequisites: Physics 201-202 and Mathematics 201-202. Offered in alternate years; offered in 1963-64.

PHYS. 305-306 ELECTRICITY AND MAGNETISM (3 hrs.) Electrostatics and magnetism. Maxwell's equations, electro-chemistry, circuit theory and electrical machinery; a consideration of the theoretical and practical applications of electricity and magnetism. Prerequisites: Physics 201-202 and Mathematics 201-202. Not offered in 1963-64.

PHYS. 322 SPACE PHYSICS (3 hrs.) History of rocketry, rocket propulsion, artificial satellites, space travel, architecture of the universe, and communications. Prerequisites: Physics 201-202 and Mathematics 201-202. Offered in alternate years; not offered in 1963-64.

PHYS. 325-326 MODERN PHYSICS (3 hrs.) The modern applications of physics; spectroscopy, radiation, wave mechanics, quantum mechanics, radioactivity and nuclear physics, and cosmic rays; specific topics included are the electron microscope, radar, the cyclotron and atomic power. Prerequisites: Physics 201-202 or permission of the Head of the Department. Offered in alternate years.

PHYS. 328 ELECTRONICS (3 hrs.) A fundamental course in electronics, including such topics as electron emission, rectifiers, multi-electrode tubes, cathode-ray oscillograph, television, radio, radar, thyratrons and industrial controls. Prerequisites: Physics 201-202 or permission of the Head of the Department. Offered in alternate years; not offered in 1963-64.

PHYS. 341-342 LABORATORY IN ADVANCED PHYSICS (1 or 2 hrs). Supplementary to any of the upper division physics courses. Registration with permission of the Head of the Department.

PHYS. 365-366. SPECTROSCOPIC ANALYSIS (1 or 2 hrs). Use of the E-1 Hilger Spectrograph and auxiliary equipment for analytical work; original research and possible publication of the results. Registration with permission of the Head of the Department.

PHYS. 475-476 PROBLEMS IN PHYSICS (1 hr.) Solution of more advanced problems in the various fields of physics. Open to upper division students.

PHYS. 477-478 SEMINAR IN PHYSICS (1 hr.) A survey of Physics for review and correlation of the various fields in the discipline. Open to upper division students.

PHYS. 480 METHODS AND MATERIALS IN TEACHING PHYSICS (2 or 3 hrs.) Methods and practice in classroom presentation and laboratory supervision. Collateral reading and reports on the history of physical science. Required of all students expecting to teach physics.

PHYS. 487-488 INDEPENDENT STUDY (1 to 3 hrs.) Designed for those students interested in physics who desire to do independent reading in some special field. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

PHYS. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced experimental work and minor research problems in radioactivity, spectroscopy, radio and electronics, or in the field of the student's interest. Enrollment limited to seniors of superior ability and achievement who are concentrating in Physics. Permission of the Head of the Department required.

PSYCHOLOGY

AIMS

The department hopes to assist the student to gain a basic knowledge of psychology as the experimental science of man's behavior; to develop social awareness and social adjustment through understanding of the fundamental similarities and differences among men; to promote creative and critical thinking; to give background preparation for professions which deal with individual and group behavior; to encourage a few students to enter the field, whether in teaching, research, or applied psychology.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Concentration in psychology requires Biology 101-102 and a minimum of thirty hours in the department, including Psychology 201-202, 361-362, 477 or 478, and two of these three: 371, 372, 374. No student will be recommended for graduate school who has not had Mathematics 101-102 also. Mathematics 327 and Sociology 201 are highly desirable. The student is reminded that most graduate schools require a reading knowledge of French or German or both for higher degrees.

PSYCH. 167 PSYCHOLOGY (3 hrs.) A brief survey of the general field of psychology: perception, learning, personality, and motivation. Registration restricted to students preparing for nursing.

PSYCH. 201-202 GENERAL PSYCHOLOGY (3 hrs.) An introduction to the general field of psychology; perception, learning, motivation, personality, reasoning, and a survey of the areas within the general field. Two lectures and one laboratory period each week. Prerequisite to all other courses in the department except Psychology 167.

PSYCH. 311 SOCIAL PSYCHOLOGY (3 hrs.) A study of the behavior of the individual in interaction within groups. Consideration will be given to the formation and properties of groups and to their influence on the individual. Prerequisite: Psychology 201-202.

PSYCH. 321 THE NORMAL PERSONALITY (3 hrs.) This course deals with theories of the development of personality. Emphasis will be placed on the normal personality and its development, and on the principles of mental hygiene for students. Prerequisite: Psychology 201-202.

PSYCH. 322 THE ABNORMAL PERSONALITY (3 hrs.) The study of abnormal personality development including mental deficiency, neuroses, psychoses, and sociopathic behavior. Prerequisite: Psychology 201-202.

PSYCH. 331 CHILD AND ADOLESCENT PSYCHOLOGY (3 hrs.) A course devoted to the study of the psychological development of the child through adolescence. Prerequisite: Psychology 201-202.

PSYCH. 332 EDUCATIONAL PSYCHOLOGY (3 hrs.) A study of the application of psychological principles to the field of Education. Included will be the areas of learning, transfer of training, individual differences, motivation, and the language and communication skills as they apply to education. Prerequisite: Psychology 201-202.

PSYCH. 335 PSYCHOLOGICAL AND EDUCATIONAL TESTS AND MEASUREMENTS (3 hrs.) The course will deal mainly with group testing, with attention to the construction and use of standardized and of *ad hoc* tests. The necessary correlation techniques will be included. Prerequisite: Psychology 201-202; not offered 1963-1964.

PSYCH. 336 INDUSTRIAL PSYCHOLOGY (3 hrs.) A study of industrial motivations, human relations training, optimum working conditions, human engineering. Prerequisite: Psychology 201-202. Offered in alternate years.

PSYCH. 361-362 DESIGN AND ANALYSIS OF EXPERIMENTS IN PSYCHOLOGY (3 hrs. each semester) This course deals with methods of investigation of behavior, with the greater emphasis on the experimental method. Differential methods are treated in Psychology 335. Techniques of statistical evaluation of data will be introduced when data demand them. Some time will be spent on the general theory of science, and on mathematical statements of scientific, especially psychological, laws, theories, functions. Prerequisite: Psychology 201-202. No credit given for only one semester of Psychology 361-362. One lecture and two laboratory periods each week.

PSYCH. 371 PSYCHOLOGY OF EMOTION AND MOTIVATION (3 hrs.) A study of the whys of behavior, of methods of discovering what people want, and of the origin and development of their desires, attitudes, value systems, and the like. Emphasis will be on the experimental assessment of sociogenically derived motives. Prerequisite: Psychology 201-202. Offered irregularly.

PSYCH. 372 PSYCHOLOGY OF LEARNING (3 hrs.) This course will deal with theories of learning. Prerequisite: Psychology 201-202. Two lectures and one laboratory period each week.

PSYCH. 374 PERCEPTION AND COGNITION (3 hrs.) This course deals with the acceptance and processing of information by the human organism. Prerequisite: Psychology 201-202. Two lectures and one laboratory period each week.

PSYCH. 478 SEMINAR IN PSYCHOLOGY (1 or 2 hrs.) An advanced general course which is partly a preparation for the comprehensive examination in psychology. Prerequisite: Psychology 201-202 and senior standing.

PSYCH. 487-488 INDEPENDENT STUDY IN PSYCHOLOGY (1 to 3 hrs.) This course is designed to permit students to do independent work in psychology which cannot be done in any other course in the department. The subject of study must be selected in consultation with the Head of the Department before the semester opens. Prerequisite: Psychology 201-202 and junior or senior standing.

PSYCH. 491-492 HONORS COURSE IN PSYCHOLOGY (1 to 3 hrs.)
A course for superior students of senior rank wishing to work on research studies or other advanced projects in psychology. Registration by permission of the Head of the Department.

RELIGION

AIMS

To provide a focus of religious meanings for the guidance of life and the integration of knowledge, and to prepare students planning to enter church vocations for graduate study in professional schools of religion.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN RELIGION

A minimum of twenty-four hours in the department. The student preparing for a church vocation must have twelve hours in the Biblical field with at least one hour of study of the movement for the restoration of New Testament Christianity. Sequence of courses is subject to the approval of the Senior Counselor.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN RELIGIOUS EDUCATION

A minimum of eighteen hours in the department which must include the Biblical and historical requirement listed in the preceding paragraph. Twelve hours in religious education which must include Rel. Ed. 443-444. Sequence of courses subject to the approval of the Senior Counselor.

REQUIREMENTS FOR GRADUATION

Religion 101-102 is required of all students qualifying for graduation other than students preparing for church vocations. Students in the upper division taking either semester of this course will be required to do additional work.

Students preparing for church vocations are required to take 241-242, 303-304, and the required seminars, rather than 101-102.

RELIGION 101-102 JUDAEO-CHRISTIAN ORIGINS AND DEVELOPMENT (3 hrs.) In the first semester this course surveys the history, literature, and religion of the Hebrew people and gives an introduction to the sources of the Christian Church.

In the second semester this course shows the development of Christianity, of the Christian Church in the New Testament, and of the major divisions of Christendom. The development of

religions in America is traced with major attention to the movement for the restoration of the New Testament Church and Christian unity which gave rise to the Christian Churches. First-hand historical materials of Bethany and the Campbell heritage illuminate this study.

RELIGION 121-122 CHURCH VOCATIONS (1 hr.) A survey of the theory and operation of the principal fields of Christian service. Required of all freshmen preparing for church vocations.

RELIGION 241-242 SURVEY OF THE OLD TESTAMENT (3 hrs.) The political and religious development of the Hebrew people to the time of the Maccabees. Required of all students preparing for church vocations.

RELIGION 243-244 THE RESTORATION MOVEMENT (1 hr.) A study of the origin and growth of the Christian Churches (Disciples of Christ). Required of all sophomores preparing for church vocations.

RELIGION 303-304 SURVEY OF THE NEW TESTAMENT (3 hrs.) A survey of all the books of the New Testament, their backgrounds and the message of each. The first semester is devoted to the Gospels. Required of all students preparing for church vocations. Not offered in 1963-1964.

RELIGION 311-312 BEGINNING NEW TESTAMENT GREEK (3 hrs.) An introduction to the language of the New Testament combines the study of grammar and vocabulary with the reading of selected New Testament passages in order to develop as rapidly as possible the ability to read *koine* Greek. Offered in 1962-63 and alternate years. Selections from the Fourth Gospel are read during the second semester.

RELIGION 323-324 THE LOCAL CHURCH IN ITS WIDER RELATIONSHIPS (1 hr.) The mission of the church in its religious and social relationships, and the role of religious leadership in the church. Required of all juniors preparing for church vocations.

RELIGION 327-328 COMPARATIVE RELIGIONS (3 hrs.) A comparison of the most important features of various religions, including religions of primitives, Egypt, Babylonia, Assyria, Persia, Greece, Rome, Judaism, Christianity, India, China, Japan. A seminar course.

RELIGION 411-412 INTERMEDIATE NEW TESTAMENT GREEK (3 hrs.) Selections from the Synoptic Gospels and the Pauline Letters are read with the study of forms and the expansion of vocabulary. Offered in alternate years.

RELIGION 425-426 THE BIBLE AS LITERATURE (3 hrs.) The origin, development and literary values of the various types of literature of the Bible. Not offered in 1963-1964.

RELIGION 477-478 SEMINAR IN RELIGION (1 hr.) A seminar on the integration of the field of the comprehensive examination. Prerequisite: at least 18 hours of previous study in the department.

RELIGION 487-488 INDEPENDENT STUDY IN RELIGION (1 to 3 hrs.) Designed for those students interested in Religion who desire to do independent study in some special field. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

RELIGION 491-492 HONORS COURSE (1 to 3 hrs.) Special problems and minor research studies in Religion. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in Religion who are seniors of superior ability and achievement. Permission of the Head of the Department required.

RELIGIOUS EDUCATION

REL. ED. 328 RECREATION LEADERSHIP (See Phys. Ed. 328) (3 hrs.)

REL. ED. 331 CHILD AND ADOLESCENT PSYCHOLOGY (See Psychology 331) (3 hrs.)

REL. ED. 332 EDUCATIONAL PSYCHOLOGY (See Psychology 332) (3 hrs.)

REL. ED. 365 AUDIO-VISUAL EDUCATION (See Education 365) (2 hrs.)

REL. ED. 443 THEORY OF RELIGIOUS EDUCATION (3 hrs.) A history of religious education, its principles and problems related to religious growth. Basic trends and methods in the field.

REL. ED. 444 EDUCATIONAL WORK OF THE CHURCH (3 hrs.) A study of the methods of religious education in the church school, the materials, week-day religious education, laboratory training school.

SOCIAL SCIENCE

SOC. SCI. 101-102 DEVELOPMENT OF WESTERN INSTITUTIONS (3 hrs.) The development of political, social, and cultural institutions from ancient times to the twentieth century, especially as they contribute to an understanding of our own civilization.

SOC. SCI. 442 PROBLEMS OF THE TWENTIETH CENTURY (3 hrs.) A problem course built around selected questions of contemporary life. Conducted by the departments of Economics, History and Political Science, and Sociology.

SOC. SCI. 480 METHODS AND MATERIALS IN TEACHING SOCIAL STUDIES. (2 hrs.)

SOCIOLOGY AND ANTHROPOLOGY

AIMS

To give students an understanding of human relationships, institutions and social processes in primitive and modern societies; to familiarize them with the nature and causes of social problems; to give students deeper insight into the requirements of intelligent citizenship and useful participation in community life; to equip students with fundamental preparation for entering various kinds of social services; and to provide guidance for teaching sociology and for graduate or professional study.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of twenty-four hours in the department with eighteen hours in the upper division. It is recommended that students concentrating in the field include in their course of study Psychology 311, 332 and 331; Social Science 442 and Biology 203. Sequence of courses subject to approval of the Senior Counselor.

SOCIOLOGY

SOC. 201 PRINCIPLES OF SOCIOLOGY (3 hrs.) The basic concepts and principles of sociology applied to modern society; social relations of the community; race and culture; social maladjustments; social processes, change and controls.

SOC. 202 FAMILY RELATIONSHIPS (3 hrs.) The development of marriage and family social functions; contemporary problems and tendencies of the family of today.

SOC. 203 HEREDITY AND EUGENICS (Biology 203) (3 hrs.)

SOC. 267-268 STATISTICAL METHODS (Economics 267-268) (2 hrs.)

SOC. 301 CRIMINOLOGY (3 hrs.) The social processes by which individuals become criminals and delinquent causative factors, techniques of control and the social treatment of crime. Prerequisite: Sociology 201. Offered irregularly.

SOC. 311 PRACTICUM IN SOCIOLOGY (2 hrs.) A study of the individual in interaction within groups. Consideration will be given to the formation and properties of groups and their influence on the individual. Prerequisite: Sociology 201, 440 or 441.

SOC. 322 ABNORMAL PERSONALITY (Psychology 322) (3 hrs.)

SOC. 326 RURAL SOCIOLOGY (3 hrs.) Consideration of the rural pattern of life; the institutions, culture and agencies functioning in the country and village life of today. Modern utilization of rural and wilderness land and resources. Offered in alternate years.

SOC. 327 URBAN SOCIOLOGY (2 hrs.) A study of the rise and growth of cities; the social organizations and problems of the modern city; urban re-development and city planning.

SOC. 329 INDUSTRIAL SOCIOLOGY (2 hrs.) A study of the social forces involved in modern industrialism. Offered in alternate years.

SOC. 365 COMMUNITY ORGANIZATION (2 hrs.) The social structure and function of the modern community; the economic and social resources available for social welfare.

SOC. 426 GROUP ORGANIZATION AND LEADERSHIP (2 hrs.) Social psychology applied to the problems of group work in the community.

SOC. 427-428 SOCIAL THEORY (2 hrs.) The various systems, classic and modern, for explaining the social behavior of individuals and groups; the nature of social control, chief social control devices, institutional pressures, and disruptive factors. Open to upper division students or by permission of the Head of the Department.

SOC. 440 INTRODUCTION TO PUBLIC WELFARE (2 hrs.) An introduction to the fields of public welfare. Historical backgrounds and developments. Local, state and federal services. Public welfare problems, programs, and standards in public assistance, child welfare and other divisions of the field. Offered in alternate years.

SOC. 441 INTRODUCTION TO SOCIAL WORK (2 hrs.) The basic principles and methods of social case work and their application in the treatment of individuals, families and groups. Open to upper division students or by permission of the Head of the Department.

SOC. 442 SOCIAL RECONSTRUCTION MOVEMENTS (2 hrs.) Present-day efforts to control, direct, or oppose selected social trends; the forces, leaders and methods employed.

ANTHROPOLOGY

ANTHRO. 201-202 **PRINCIPLES OF ANTHROPOLOGY** (3 hrs.) General survey of the fields of anthropology; human and racial evolution, the nature of culture, culture and personality, cultural relativism, culture change, acculturation, comparative and functional analysis of economics, political organization, kinship systems, art, religion, and magic.

ANTHRO. 325 **CULTURAL ANTHROPOLOGY** (3 hrs.) Primitive people and their institutions in prehistoric and more recent times; the presentation of a cultural perspective. Prerequisite: Soc. 201 or 202, or Anthro. 201-202.

ANTHRO. 326 **PHYSICAL ANTHROPOLOGY** (3 hrs.) The place of man in relation to the living primates; human evolution and evolutionary principles as associated with human ecology. The races of modern man.

ANTHRO. 330 **TECHNOLOGY AND SOCIETY** (3 hrs.) Technological processes on the primitive and folk levels and their influence on the development of society and culture. The relation of technology to contemporary backward peoples.

ANTHRO. 375-376 **PEOPLES OF THE WORLD** (3 hrs.) Survey of cultural systems; pre-historic and historic background of the ethnic structure of the modern world.

ANTHRO. 428 **SOCIAL ORGANIZATION** (2 hrs.) The analysis of organizational principles exhibited by the societies of the world.

ANTHRO. 449 **CULTURE AND PERSONALITY** (3 hrs.) The modal personality and the means of its production by the society.

SOCIOLOGY AND ANTHROPOLOGY

Soc. 477-478 **SENIOR SEMINAR** (1 hr.) Required of all students concentrating in the Field. This course has three purposes: to interpret the preceding work of the department; to offer instruction in the technique and methods of social research; and to give each student an opportunity to develop his particular interest in co-operation with the other members of the seminar group.

Soc. 487-488 **INDEPENDENT STUDY** (1 to 3 hrs.) Designed for those students interested in Sociology and Anthropology who desire to do independent study in some special field. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

SOC. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced projects and minor research studies. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in the field who are seniors of superior ability. Permission of the Head of the Department required.

SPEECH AND DRAMA'

AIMS

To assist the individual to develop attitudes and techniques for effectiveness in oral communication; and to assist the student toward the sort of personality manifestation that makes for creative individuality.

The student primarily interested in the field of Speech and Drama may elect a field of concentration in Fine Arts (q.v.) with an emphasis in Speech and Dramatics.

SPEECH 201 FUNDAMENTALS OF SPEECH (3 hrs.) Basic principles of effective speech. A course for beginning students with major emphasis on delivery. Attention is given to elementary speech composition, development of confidence and poise, vocabulary building, pronunciation and enunciation, speech psychology, and personality manifestation through the delivery of speeches.

SPEECH 202 ADVANCED PUBLIC ADDRESS (3 hrs.) Advanced principles of speech preparation and delivery. Detailed speech composition and active participation in classroom lectures, panels, and symposia on American Orators. Prerequisite: Speech 201.

SPEECH 225-226 ORAL INTERPRETATION (2 hrs.) Study and practice of reading aloud from prose, poetry and dramatic literature. Emphasis on discovering and communicating the author's meaning. Reading in class and before various outside groups where possible. Prerequisite: Speech 201. Offered on demand.

SPEECH 301 INTRODUCTION TO THE THEATRE (3 hrs.) Outline of the history of the theatre, which includes the Classic Drama, Medieval to Modern Drama, and dramatic theory and criticism.

SPEECH 356 ARGUMENTATION AND DISCUSSION (3 hrs.) Study of the principles of logical proof in oral and written discourse; types of evidence, modes of reasoning, preparation for discussion, debate, and parliamentary procedures.

SPEECH 365 PLAY DIRECTION AND PRODUCTION (1-3 hrs.) This course is designed for students who act in and stage College plays. All students enrolled in the course will attend the one hour Actor's Studio Workshop to be arranged each semester. The course may be repeated for credit but the total credit earned may not exceed 6 credit hours. An applied course.

SPEECH 366 PRINCIPLES OF ACTING (3 hrs.) Basic acting techniques; historical and modern styles of acting, their principles, theories, and their application in the performance of scenes and plays. Prerequisite: Speech 365.

SPEECH 458 INTRODUCTION TO RADIO AND TELEVISION (3 hrs.) Designed to give the student an over-all picture of the operational procedure in stations and networks; to develop a knowledge and appreciation of radio and television as powerful media of mass communication in our modern society. Field trips to radio and television stations. Fee.

SPEECH 487-488 INDEPENDENT STUDY IN SPEECH AND DRAMA (1 or 2 hrs.) Open to students of initiative and above-average ability in radio, theatre, public address, voice and diction, interpretation, or the teaching of speech, to work on special projects. Open by permission of the Head of the Department.

HONORARY DEGREES CONFERRED

ON JUNE 9, 1963

DOCTOR OF HUMANE LETTERS

Pearl S. Buck, Perkasio, Pennsylvania

DOCTOR OF DIVINITY

Norman G. Crawford, Princeton, West Virginia

DOCTOR OF LAWS

(Degree conferred on October 4, 1962)

Paul A. Miller, Morgantown, West Virginia

DOCTOR OF ENGINEERING

James A. MacAlarney, Detroit, Michigan

DOCTOR OF LAWS

Hayes Picklesimer, Charleston, West Virginia

DOCTOR OF DIVINITY

Chester A. Sillars, Schenectady, New York

BACCALAUREATE DEGREES CONFERRED IN COURSE

CLASS OF 1963

ON JUNE 9, 1963

BACHELOR OF ARTS

Summa Cum Laude

John Edward Osborne

Magna Cum Laude

Thomas Gauley Byrum
James F. Compagnone

Betsy Grace French
Larry J. Frye

Sharon Elaine Wilson

Cum Laude

Sigrid Bernegger
Sally Ann Brockley

John Alfred Mutzabaugh
Louise Jane Nolan

Rite

Carl Marc Arnold
Donald Lee Ashton
Jane Anne Bauer
William Alfred Beile
Barbara Jean Bicks

Susan L. Bielski
Carol Anne Block
Laurens Kirk Boettcher
Sheldon Downs Bradley
Roger Sterling Chain

William Evans Clipp
 Frank Lynn Cloherty
 Christine Ann Collins
 Jayne Louise Cooley
 Charles William Cox
 John E. Dawson
 Karen W. Dawson
 Mildred Joyce DeLeeuw
 Marie Elaine Dempsey
 Ronald Claude DeVoe
 Barbara Joan DeYoung
 Susan Dodd
 Charles Hugh Dow
 Douglas Wilding Dressler
 George Howard Dudley
 Donald Joseph Fielding
 Joan Elaine Fletcher
 Cynthia Louise Foster
 Madana Pinckney Fuller
 James Stuart Geisel
 Barbara Jean Good
 James Boyd Greene
 Carter Lee Grocott
 Raymond Howard Hack
 Marsha Lee Hadden
 Jeffrey William Halbreich
 Mary Virginia Hale
 William Worthen Hanna
 Sondra V. Hecht
 Eugene Lang Hendl
 Peter Clark Holm
 Myrna Glynn Hugi
 Wesley Raymond Johnson
 Marcel Theodore Karklins
 Ronald Thomas Keaton
 John Gregory Keresty
 Sally Brinson King
 Elizabeth Jane Kistler
 Catherine Bonafede Kramer
 Martha Barnett Leach
 Marguerite Ann Leeds

Jerome Howard Leonetti
 Emily M. Leyenberger
 Stephen Frederick Lundberg
 Richard Watson Mathieson
 William Richard McMillen
 Donna Jean Miles
 Janet Eva Miller
 William Thomas Moyer
 Katherine L. B. Niesemann
 Susan Gay Ogle
 Stephen Howard Olster
 Sue Ann Phelps
 Frederick Stewart Phillips
 Louis M. Provenzano
 David Holden Rattiner
 Craig Parker Russell
 Larry Allen Sayre
 Betty Louise Schriver
 William Charles Scott
 Dalton David Secor, Jr.
 Richard Edward Seitz
 Harvey M. Sliff
 Robert John Smith
 Terry DeWolf Smith
 Peter Abraham Stauffer
 Flaccus M. B. Stifel
 William Warren Stoner
 Robert Donald Stotsky
 Nancy Marie Thomas
 Neil Eldridge Topliffe
 Jean Mary Torpy
 Guy Tucci
 Halford Watson
 David Bruce Weir
 John Raymond Wennersten
 Brent Philip Wentz
 Stanley C. L. Wheeler
 Elizabeth L. White
 William Pannell Wilson III
 Charles A. Witsberger
 George Nevin Woodside

BACHELOR OF SCIENCE

Cum Laude

Cynthia Ann Hilts

Gene Raymond Sheller

Rite

Ronald Joseph Amen
 Susan Mary Ball
 Karren Kay Dray
 Donald Robert Dungan
 John Peden Frazier III
 Roy Paul Himes
 William Gillespie Kelly, Jr.
 Richard Eugene Liden
 Thomas Robert Oliver

Carolyn Jean Rentschler
 Elliot Rubinstein
 Nick Anthony Sarap
 Samuel Lee Sheller
 Malcolm Phelps Sillars
 Lance Michael Stermann
 Fred McKeel Twilla, Jr.
 Baldwin Wayne Weaver

ROSTER OF STUDENTS

ACADEMIC YEAR

1962-1963

SENIORS

Alexander, S. Andrea	Columbus, Ohio
Amen, Ronald	Brooklyn, N. Y.
Arnold, C. Marc	Stow, Ohio
Ashton, Donald	West Leisenring, Pa.
Ball, Susan	Nutley, N. J.
Bauer, Jane	Wheeling, W. Va.
Beile, William	Pittsburgh, Pa.
Bernegger, Sigrid	Salzburg, Austria
Bicks, Barbara	Jabalpur, M.P., India
Bielski, Susan	Pittsburgh, Pa.
Boatner, James K.	Washington, D. C.
Boettcher, Laurens	Bethany, W. Va.
Bradley, Sheldon	Orange, Conn.
Brockley, Sally	Columbia, Pa.
Byrum, Thomas	Wheeling, W. Va.
Chain, Roger	Narberth, Pa.
Clipp, William	Wheeling, W. Va.
Cloherly, F. Lynn	Pittsburgh, Pa.
Collins, Christine	Pittsburgh, Pa.
Compagnone, James	Wheeling, W. Va.
Cooley, Jayne	Elizabeth, Pa.
Counselman, Clifford	Bethany, W. Va.
Cox, Charles	Pittsburgh, Pa.
Crone, Max II	Wheeling, W. Va.
Dawson, John	McKeesport, Pa.
DeLeeuw, Mildred	Ho-Ho-Kus, N. J.
Dempsey, Marie	Pittsburgh, Pa.
DeVoe, Ronald	Kendallville, Ind.
DeYoung, Barbara	Ridgewood, N. J.
Dodd, Susan	Pittsburgh, Pa.
Dow, Charles	Smithfield, Ohio
Dray, Karren	Canton, Ohio
Dressler, Douglas	Glen Rock, N. J.
Dudley, George	Sharon, Pa.
Dungan, Donald	Munster, Ind.
Findlay, Priscilla	Steubenville, Ohio
Foster, Cynthia	Uniontown, Pa.
Frazier, John P.	Bethany, W. Va.
French, Betsy	Rutland, Vt.
Frye, Larry	Richmond, Ind.
Fuller, Madana	Larchmont, N. Y.
Gill, Judith	Beaver, Pa.
Good, Barbara	Richmond, Ind.
Greene, James	Wheeling, W. Va.
Grocott, Carter	Pittsburgh, Pa.
Hack, Raymond	Philadelphia, Pa.
Hadden, Marsha	Pittsburgh, Pa.
Halbreich, Jeffrey	Rockville Centre, N. Y.
Hale, Mary	Garden City, N. Y.
Hanna, William	Bethany, W. Va.
Hecht, Sondra	Marianna, Pa.
Hendl, Eugene	Morristown, N. J.
Herman, Philip	New Cumberland, W. Va.

Hilts, Cynthia	Kenmore, N. Y.
Himes, R. Paul	NuMine, Pa.
Holm, Peter	West Hempstead, N. Y.
Horton, Richard	Steubenville, Ohio
Hugi, Myrna	Washington, Pa.
Johnson, Wesley	Babylon, N. Y.
Karklins, Marcel	East Orange, N. J.
Keaton, Ronald	Shelbyville, Ind.
Keresty, John	East Paterson, N. J.
King, Sally	Tampa, Fla.
Kistler, Elizabeth	Pittsburgh, Pa.
Kramer, Catherine	Clarence, N. Y.
Kratz, Sue	Wheeling, W. Va.
Leeds, Marguerite	Wheeling, W. Va.
Leonetti, Jerome	Brooklyn, N. Y.
Leyenberger, Emily	Ridgewood, N. J.
Liden, Richard	Glen Dale, W. Va.
Lory, Roger	Pittsburgh, Pa.
Lundberg, Stephen	Pittsburgh, Pa.
Mathieson, Richard	Homer City, Pa.
McMillen, William	Rockville Centre, N. Y.
Miles, Donna	Wheeling, W. Va.
Miller, Janet	Bethel Park, Pa.
Mosebay, Worrick	Wheeling, W. Va.
Moyer, William	Collegeville, Pa.
Mutzabaugh, Jack	Pittsburgh, Pa.
Niesemann, Katherine	Pittsburgh, Pa.
Nolan, L. Jane	Pittsburgh, Pa.
Ogle, Susan	Cleveland Heights, Ohio
Olster, Stephen	Passaic, N. J.
Osborne, John	Wheeling, W. Va.
Partazana, Louis	Charleroi, Pa.
Patterson, William	Murrysville, Pa.
Phelps, Sue	Conneaut Lake, Pa.
Phillips, Frederick	Ridgewood, N. J.
Provenzano, Louis	Cleveland, Ohio
Quimby, K. Louise	Uhrichsville, Ohio
Rentschler, Carolyn	Wheeling, W. Va.
Rubinstein, Elliot	Brooklyn, N. Y.
Russell, Craig	Rehoboth Beach, Del.
Sarap, Nick	Steubenville, Ohio
Sayre, Larry	Wellsburg, W. Va.
Schriver, Betty	Eggertsville, N. Y.
Scott, William	Pittsburgh, Pa.
Seitz, Richard	Milford, Conn.
Shaw, Molly	Ridgewood, N. J.
Sheller, Gene	Claysville, Pa.
Sillars, Malcolm	Schenectady, N. Y.
Sliff, Harvey	New York City, N. Y.
Smith, Robert J.	Highland Park, N. J.
Smith, Terry	Snyder, N. Y.
Stauffer, Peter	Connellsville, Pa.
Sterman, Lance	New Rochelle, N. Y.
Stifel, Flaccus	Wheeling, W. Va.
Stoner, William	Silver Spring, Md.
Tacey, Mary	Pittsburgh, Pa.
Thomas, Nancy	Munhall, Pa.
Topliffe, Neil	Windsor, Ontario, Canada
Torpy, Jean	Morristown, N. J.
Twilla, Fred	Pittsburgh, Pa.

Watson, Ford	Bel Air, Calif.
Weir, David	Shaker Heights, Ohio
Wennersten, John	McKees Rocks, Pa.
Wentz, Brent	Madison, N. J.
Weser, Don	Wellsburg, W. Va.
White, Elizabeth	Claysville, Pa.
Wilson, Sharon	Steubenville, Ohio
Wilson, William	Wheeling, W. Va.
Witsberger, Charles	Wheeling, W. Va.
Wood, Karen	Ft. Lauderdale, Fla.
Woodside, George	Pittsburgh, Pa.
Zimmerman, James	Pittsburgh, Pa.

JUNIORS

Abbott, Susan	Levittown, N. Y.
Akawie, Richard	Wantagh, N. Y.
Albaugh, Rodney	Wheeling, W. Va.
Andrick, Joe	Coraopolis, Pa.
Bane, David	Wheeling, W. Va.
Baxter, John	Cranston, R. I.
Bender, John	Weirton, W. Va.
Bickel, Carolyn	Pittsburgh, Pa.
Blanchet, Shelby	North Haven, Conn.
Bliss, Wilber, III	Beaver, Pa.
Bolton, Janey	Chatham, N. J.
Bowen, Robert	Sistersville, W. Va.
Boyd, Alice	Steubenville, Ohio
Bury, David	Kenmore, N. Y.
Caine, Ruth	West Orange, N. J.
Campbell, James H.	Weirton, W. Va.
Carlson, Arthur, Jr.	Belleville, N. J.
Carr, David	Cleveland, Ohio
Carrigan, Erin	Sherrard, W. Va.
Chapman, Sandra	Wellsburg, W. Va.
Chongaway, Richard	Pittsburgh, Pa.
Chutter, Roger	Portland, Conn.
Cole, Stockwell	St. Ann, Jamaica, West Indies
Coleman, Roger	Tampa, Fla.
Collins, Patricia	Kenmore, N. Y.
Conner, Kathy	West Orange, N. J.
Cooley, William	Wheeling, W. Va.
Cowen, Stanley	Pittsburgh, Pa.
Cox, Edward	Steubenville, Ohio
Croushore, Karen	Cranford, N. J.
Davis, Linda	Southington, Ohio
Deemer, Richard	Pittsburgh, Pa.
Edwards, Jane	West Simsbury, Conn.
Enfield, Nicole	Stoystown, Pa.
Feinsod, Donald	Forest Hills, N. Y.
Fellers, Elizabeth	Silver Spring, Md.
Filoni, Albert	California, Pa.
Fleissner, John, IV	Short Hills, N. J.
Foreman, Robert	New Cumberland, W. Va.
Fowler, Ronald	Pittsburgh, Pa.
Funk, Carolyn	Wellsburg, W. Va.
Fusaro, Robert	Rural Valley, Pa.
Geisel, Siegfried	Brooklyn, N. Y.
Gibb, Susan	Essex, Conn.
Giles, John	Albany, N. Y.
Gorby, Gary	Wellsburg, W. Va.
Graetz, Herbert	Verona, N. J.

Graham, Robert	Pittsburgh, Pa.
Gray, Judith	Uniontown, Pa.
Grimes, Larry	Russellville, Ind.
Groeling, David	Verona, N. J.
Gwatkin, William	Woodbridge, Conn.
Halm, Susan	Steubenville, Ohio
Hanna, Nancy	Ridgewood, N. J.
Harriman, Hillary	New York, N. Y.
Harrison, Phillip	Pomeroy, Ohio
Haubrich, Dean	Trafford, Pa.
Hauser, Denise	Essex Fells, N. J.
Hazlett, James	Wheeling, W. Va.
Helsby, Lynn	Berwyn, Pa.
Henderson, Rodger	Upper Darby, Pa.
Herman, James	Union, N. J.
Hersh, Stanley	Pittsburgh, Pa.
Heslop, Cindi	Martins Ferry, Ohio
Higgins, Robert	Newark, N. J.
Holden, Constance	Painesville, Ohio
Homer, Richard	Grove City, Pa.
Horvat, Rudolph	McMechen, W. Va.
Hughes, Carol	Columbia, Mo.
Hughes, Thomas	Taylorstown, Pa.
Ingram, G. Stephen	Oceanport, N. J.
Irving, Joan	Westport, Conn.
James, Francis	Darien, Conn.
Johnson, C. William	Tampa, Fla.
Jones, Dolores	Steubenville, Ohio
Karr, Arthur	McMechen, W. Va.
Kauffman, Lynwood	Washington, Pa.
Keenan, Bruce	East Orange, N. J.
Keenan, Katharine	St. Albans, W. Va.
Keene, Andrew	Oakmont, Pa.
Kinney, Kathryn	West Alexander, Pa.
Kneeland, George	Harrington Park, N. J.
Knight, Sally	Steubenville, Ohio
Koedderich, John	Teaneck, N. J.
Kovac, Margaret	Elizabeth, Pa.
Kramer, Robert	Hightstown, N. J.
Kusek, Chester	West Springfield, Mass.
Legters, Marian	Baltimore, Md.
Lewis, Harriett	Wellsburg, W. Va.
Lewis, Thomas	Pittsburgh, Pa.
Lubran, Albert	Steubenville, Ohio
Mack, Patricia	Pittsburgh, Pa.
Maier, Marilyn	Short Hills, N. J.
Mairs, H. Donald	Teaneck, N. J.
Mallett, T. Jeanne	Mingo Junction, Ohio
Maloy, Thomas	Warren, Ohio
Malyn, Harvey	New Kensington, Pa.
Maslanka, Rozanne	Pittsburgh, Pa.
Maunz, Roger	Buffalo, N. Y.
Mayer, Marjorie	Pittsburgh, Pa.
McCartney, Susan	Pittsburgh, Pa.
McCormick, Susan	Wheeling, W. Va.
McElhose, Robert	Oakmont, Pa.
McFarland, Margaret	Coraopolis, Pa.
Merwitzer, Robert	Pittsburgh, Pa.
Montgomery, Robert	Bellaire, Ohio
Morrow, Phyllis	North Canton, Ohio

Munnell, Jonathan	McKeesport, Pa.
Muter, Richard	Wellsburg, W. Va.
Niederhuber, James	Steubenville, Ohio
Noice, William	Brecksville, Ohio
Norton, Judith	Cheshire, Conn.
Ohs, Mary	Washington, Pa.
Ostneberg, Emil	Brooklyn, N. Y.
Pace, Robert	Wheeling, W. Va.
Park, Judith	West Alexander, Pa.
Pear, Martin	Moodus, Conn.
Pearlman, Robert	Douglaston, L. I., N. Y.
Pendleton, Sara	Winchester, Ky.
Perelle, David	Locust Valley, L. I., N. Y.
Phifer, William	Pittsburgh, Pa.
Pifer, Linda	Indiana, Pa.
Pope, Ellen	Pittsburgh, Pa.
Porter, W. Frederick	East Liverpool, Ohio
Possinger, Lynn	Ridgway, Pa.
Prideaux, Elizabeth	Claysville, Pa.
Provenzano, Mary Jo	Hagerstown, Md.
Quandt, Virginia	Easton, Conn.
Reid, Florence	Garden City, N. Y.
Rickert, Esther	Plandome, N. Y.
Robinson, John	Wheeling, W. Va.
Robinson, Margaret	Willoughby, Ohio
Robinson, William	Pittsburgh, Pa.
Rogers, Gary	Steubenville, Ohio
Roulis, Maria	Baltimore, Md.
Rouse, Raymond	Springfield, N. J.
Ruhl, John	McMechen, W. Va.
Rygler, Kenneth	New York, N. Y.
Schaumberg, Kathryn	Short Hills, N. J.
Schnake, Suzanne	Kenmore, N. Y.
Schomp, Royal	Fairfield, Conn.
Schwarzal, William	Pittsburgh, Pa.
Segall, Bernard	Pittsburgh, Pa.
Seitz, Karen	Kenmore, N. Y.
Shanks, David	Washington, Pa.
Shapiro, Lewis	Pittsburgh, Pa.
Sherwin, Richard	Munhall, Pa.
Smith, Byron	Pittsburgh, Pa.
Smith, Robert C.	Luther, Mich.
Spangler, R. Douglas	Zanesville, Ohio
Sponagle, Kenneth	Pittsburgh, Pa.
Suter, Steven	Shelby, Ohio
Tator, Barbara	Bridgeport, Conn.
Theilacker, Carolyn	Pittsburgh, Pa.
Thomases, Lawrence	Malverne, N. Y.
Tramack, David	Ridgway, Pa.
Tweedy, Stuart	Pittsburgh, Pa.
Uffelman, Kathleen	Pittsburgh, Pa.
Ulery, James	Washington, Pa.
VanCamerik, Peter	Calverton, L. I., N. Y.
VanPelt, Byron	Bethany, W. Va.
Vavrina, Robert	Tenafly, N. J.
Ward, Richard	Ridgefield Park, N. J.
Weinreich, Daniel	East Orange, N. J.
Willett, Robert	East Orange, N. J.
Wilson, Robert	Martinsville, Va.
Wyman, William	West Chester, Pa.

Yardis, J. Alan	Pittsburgh, Pa.
Young, Irene	Pittsburgh, Pa.
Zeigler, Christine	New Castle, Pa.

SOPHOMORES

Adams, Ronald	St. Clairsville, Ohio
Agate, James	Pittsburgh, Pa.
Agner, Carol	Coraopolis, Pa.
Alcorn, Lucinda	Pittsburgh, Pa.
Aldrich, Mary	Lakeland, Fla.
Baer, L. Jane	Kingston, Pa.
Bailey, Karen	Pittsburgh, Pa.
Bailey, Nancy	Pittsburgh, Pa.
Baird, Peggy	Verona, N. J.
Banks, Percival	Irvington, N. J.
Barnes, Lynn	Power, W. Va.
Barnhart, Carol	Canfield, Ohio
Bates, Louise	Lyons, Ohio
Baxter, James	Rochester, N. Y.
Bayne, J. Lynn	Washington, Pa.
Beck, James	Tiltonsville, Ohio
Bennet, Pamela	Washington, Pa.
Best, Barbara	Pittsburgh, Pa.
Bihler, Dan, Jr.	Moundsville, W. Va.
Block, Barbara	Bloomfield, N. J.
Block, Gerald	Boonton, N. J.
Bolen, Robert	Newark, Ohio
Bortz, Donald	Greensburg, Pa.
Boulin, David	Chatham, N. J.
Brandon, Elizabeth	Huntingdon Valley, Pa.
Brogan, Alice	Canton, Ohio
Bryant, David	East Orange, N. J.
Buchanan, Anne	Charleroi, Pa.
Bunnell, Theodore	Westfield, N. J.
Burdeshaw, Dana	New Martinsville, W. Va.
Campbell, James K., Jr.	Chatham, N. J.
Cardwell, John	Pittsburgh, Pa.
Carlino, Benay	Bound Brook, N. J.
Carlson, Beverly	Tenafly, N. J.
Caseman, Lynn	Bethany, W. Va.
Cipullo, Richard	Pittsburgh, Pa.
Clark, Richard	Pomeroy, Ohio
Clarke, James	Connellsville, Pa.
Coleman, Lynn	Naperville, Ill.
Coleman, Ray	Pomeroy, Ohio
Coss, Charles	Bridgeport, Ohio
Coulter, James	Vienna, Va.
Cowen, Barry	Long Branch, N. J.
Crawford, David	Wellsburg, W. Va.
Croston, Roy	Wellsburg, W. Va.
Curran, John	N. Merrick, N. Y.
Daugherty, Jocelyn	Weirton, W. Va.
Dittmar, Russell	Bayonne, N. J.
Dodd, E. Keith	Beech Bottom, W. Va.
Eberiel, David	West Orange, N. J.
Eckhard, Joyce	Altoona, Pa.
Eggers, Clara	Uniontown, Pa.
Eglintine, Paul	Scotia, N. Y.
Eskridge, John	Pittsburgh, Pa.

Fehr, Larry	Lansing, Ohio
Ferry, John D.	Wellsburg, W. Va.
Fitzhugh, Elizabeth	Kensington, Md.
Florio, John	Pleasantville, N. Y.
Frank, Michael	Cuyahoga Falls, Ohio
Franklin, Jay	Brooklyn, N. Y.
Friedman, Douglas	Fairfield, Conn.
Gallagher, Dennis	Morristown, N. J.
Gallagher, Virginia	Watchung, N. J.
Georgiades, George	Syosset, N. Y.
Goldberger, Sally	New York, N. Y.
Graff, Merry Beth	Paoli, Pa.
Hale, Sandra	Logan, W. Va.
Hanson, Pamela	Darien, Conn.
Hassig, Jan	New Martinsville, W. Va.
Henderson, William	Wheeling, W. Va.
Hickman, Bard	Weirton, W. Va.
Hobe, David	Pittsburgh, Pa.
Hoebler, J. William	Pittsburgh, Pa.
Hoerneman, Ann	Pittsburgh, Pa.
Hoffman, William	Johnstown, Pa.
Hoshowsky, Ihor	Rochester, N. Y.
Hrebenar, Andrew	Uniontown, Pa.
Hudson, Jane	Yorktown, Ind.
Hupalo, Walter	Valley Stream, N. Y.
Huyett, David	Wyomissing, Pa.
John, Andrew	Uniontown, Pa.
Kazarian, Gloria	East Norwalk, Conn.
Kent, Jack	Fairfield, Conn.
Keough, Jane	Harrisburg, Pa.
Keyler, Susan	Rumson, N. J.
Klapach, Paul	Carnegie, Pa.
Kowalewski, Dorothy	Coraopolis, Pa.
Kowen, Sandra	East Rochester, N. Y.
Kurtz, Janet	New Paltz, N. Y.
Langerfeld, Barbara	Mamaroneck, N. Y.
Laurence, Peter	Narberth, Pa.
Lawson, Leslie	Troy, Pa.
Leavitt, John	Rowayton, Conn.
Leed, Thomas	Buffalo, N. Y.
Levite, Bernard	Steubenville, Ohio
Lippert, Nels	Plainfield, N. J.
Lloyd, Robert	Milford, Conn.
Locke, Susan	Bridgeport, Conn.
LoRusso, Frank	Boonton, N. J.
Lucas, Thomas	Riverside, N. J.
Lytton, Letty	Mahoning, Pa.
MacLaren, Donald	Westport, Conn.
Madsen, Mary V.	Houston, Texas
Mahoney, Estelle	Weehawken, N. J.
Makul, John	N. Bergen, N. J.
Mann, Steven	Merrick, N. Y.
Mason, Richard	Garden City, N. Y.
Mauger, Clyde III	Aldan, Pa.
McClung, Barbara	Wheeling, W. Va.
McCoy, Carol	Weirton, W. Va.
McGrath, William	Lincoln Park, N. J.
McKenzie, Mary F.	Bethany, W. Va.
Meier, Sallie	Wheeling, W. Va.
Melnick, Nicholas	Leetsdale, Pa.

Mertens, Julie	Erie, Pa.
Miles, Kenneth	Wheeling, W. Va.
Monheim, Stephen	Steubenville, Ohio
Morse, M. Louise	Pittsburgh, Pa.
Myers, Alan	N. Caldwell, N. J.
Myton, Sally	Pittsburgh, Pa.
Neis, Thomas	East Orange, N. J.
Ochodski, Judith	Pittsburgh, Pa.
Osborne, Gretchen	Wheeling, W. Va.
Osvath, Linda	Weirton, W. Va.
Paris, Paul	Commack, L. I., N. Y.
Patton, Paula	Butler, N. J.
Pease, Christine	Ithaca, N. Y.
Pfile, Robert	Stow, Ohio
Poggi, Theodore	Brooklyn, N. Y.
Porter, Patricia	Wexford, Pa.
Purdy, Carole	Imperial, Pa.
Raper, Charles	Plainfield, Ind.
Reitz, Robert	Naugatuck, Conn.
Rice, Carl	Pittsburgh, Pa.
Ripps, Hugh	Suffern, N. Y.
Robeson, Jane	Canton, Ohio
Rohdie, Mervin	New York City, N. Y.
Rosen, Henry	Butler, Pa.
Rouse, Gloria	Springhaven, N. J.
Ruff, William	Washington, Pa.
Rupp, David	Uniontown, Pa.
Rutherford, Jerry	Monroeville, Pa.
Sailer, Dennis	Wheeling, W. Va.
Scheller, George	Short Hills, N. J.
Schwartz, Ronald	Brooklyn, N. Y.
Schweyer, Ruth	Jeromesville, Ohio
Seidman, David	Kew Gardens, N. Y.
Shafer, Lewis	Laughlintown, Pa.
Shaffer, Edgar	Pittsburgh, Pa.
Sideheimer, Suzanne	Pittsburgh, Pa.
Smith, David J.	Parkersburg, W. Va.
Smith, Martha	Fair Haven, N. J.
Smith, Nancy D.	Steubenville, Ohio
Spencer, Alfred C.	Maplewood, N. J.
Stepek, Daniel	Oak Park, Mich.
Stermer, Judith	Pittsburgh, Pa.
Stover, Sydney	Jenkintown, Pa.
Stuck, Richard	Oakland, Md.
Thomas, Keith	Wheeling, W. Va.
Thomas, Wendy	Pittsburgh, Pa.
Thonen, Carl R.	Wheeling, W. Va.
Tindall, Jeffry	Oreland, Pa.
Vance, Barry	Canonsburg, Pa.
Verbosky, Lorraine	Trenton, N. J.
Vock, B. Annette	West Orange, N. J.
Voigt, Thomas	Beechwood, N. J.
Wagner, Diane	Wheeling, W. Va.
Wagner, Richard	Coraopolis, Pa.
Wall, Robert	West Englewood, N. J.
Warwick, Bruce	Butler, N. J.
Weber, Jacqueline	Baltimore, Md.
Weigle, Kathleen	Friedens, Pa.
Weiss, Lawrence	Bronx, N. Y.
Welles, Barbara	Plainfield, N. J.

West, Anne	Maplewood, N. J.
Whitaker, R. Theodore	Weirton, W. Va.
White, Carole	Edinboro, Pa.
White, Craig	Bethany, W. Va.
Wilfong, Judy	Bethel Park, Pa.
Williams, Robert	McKees Rocks, Pa.
Wilner, Mark	Suffern, N. Y.
Wilson, Janet	Venetia, Pa.
Woodruff, Barbara	Denville, N. J.
Wutkiewicz, Sigmund	Manorville, N. Y.
Zweidinger, Roy	Millburn, N. J.

FRESHMEN

Albanese, Mark	Norwalk, Conn.
Alberti, Richard	Weirton, W. Va.
Allen, William	Bethany, W. Va.
Anderson, Kerry	Hampton Bays, N. Y.
Armstrong, Thomas	Carlisle, Pa.
Atcheson, Susan	Nutley, N. J.
Austin, H. Leroy II	Carnegie, Pa.
Baird, Charles	Canonsburg, Pa.
Barber, Esther	Charleston, S. C.
Bates, John	Norwalk, Conn.
Benjamin, Wayne	Riverhead, N. Y.
Billing, Joyce	Cranston, R. I.
Blundon, Edward	Wheeling, W. Va.
Branning, Daniel	Baldwin, L. I., N. Y.
Brechner, Jerilyn	New York, N. Y.
Browns, Geoffrey	Fair Lawn, N. J.
Brown, John D.	Bethany, W. Va.
Brown, Thomas	Bentleyville, Pa.
Bruns, Richard	Millerton, N. Y.
Burdette, Kay	Charleston, W. Va.
Burns, Anthony	Pittsburgh, Pa.
Bushfield, Ruth	Triadelphia, W. Va.
Byrum, Bernard, Jr.	Wheeling, W. Va.
Calkins, James	Charleston, W. Va.
Calmer, Bruce	North Olmsted, Ohio
Campbell, Thomas	Fairplay, Md.
Carr, Betty	Orlando, Fla.
Cheosky, Michele	Woodbury, L. I., N. Y.
Clark, Carolee	Erie, Pa.
Clarke, Stephanie	Connellsville, Pa.
Coatney, Mary J.	Levittown, Pa.
Cochran, Thomas	Fanwood, N. J.
Coleman, Christopher	Rochester, N. Y.
Cornelisse, Joseph	W. Caldwell, N. J.
Crossgrove, Mary	Arlington, Va.
Cupaiuoli, Harvey	Maplewood, N. J.
Cyphert, Robert	Gibsonia, Pa.
Davis, Stuart	Brooklyn, N. Y.
DiClemente, Norman	Coraopolis, Pa.
Diehl, Linda	Somerset, Pa.
Dreeben, Arthur	Uniontown, Pa.
Duecker, Carol	Nutley, N. J.
Duvall, Alan	Wheeling, W. Va.
Duxbury, Ann	Weston, Conn.
Edwards, Lau-Rhea	Lewiston, N. Y.
Egbert, Jane	Ridgewood, N. J.

Eisenhauer, Sibylla	Ho-Ho-Kus, N. J.
Elston, Jill	Niagara Falls, N. Y.
Erickson, Arthur	Fairfield, Conn.
Ernstedt, Jean	Davidsonville, Md.
Evans, Kathryn	Ft. Geo. G. Meade, Md.
Farnsworth, Ann	Pittsburgh, Pa.
Farr, Judith	Gates Mills, Ohio
Fitzgerald, Jane	Cyclone, Pa.
Frenkian, Diana	Maywood, N. J.
Fullick, John	Canonsburg, Pa.
Fussaro, David	Oakmont, Pa.
Gaul, Robin	Wyckoff, N. J.
Geist, Janet	Pittsburgh, Pa.
Gertz, Bennie	Logan, W. Va.
Glassbrenner, William	Wexford, Pa.
Gordon, Charles	Sewickley, Pa.
Graham, Linda	Pittsburgh, Pa.
Griffin, Edison	Newburgh, N. Y.
Grossman, Jeffrey	Pittsburgh, Pa.
Gurney, Kenneth	Cleveland, Ohio
Haddad, N. Mitchell	Buffalo, N. Y.
Haggerty, Jonita	Butler, Pa.
Halbreich, Everett	Rockville Centre, N. Y.
Hankins, Billie	Pittsburgh, Pa.
Happel, Diane	Westport, Conn.
Harris, Drinda	Niagara Falls, N. Y.
Hassig, Donald	Charleston, W. Va.
Hathaway, William	Marietta, Ohio
Healy, Andrea	Bronx, N. Y.
Hebel, Pamela	Haworth, N. J.
Heller, Anthony	Falls Church, Va.
Hemington, John	West Alexander, Pa.
Henderson, Thomas	Upper Darby, Pa.
Herrick, Michael	Mingo Junction, Ohio
Hill, Carol	Chevy Chase, Md.
Hill, John	Pittsburgh, Pa.
Hintz, Pamela	Glen Rock, N. J.
Hollingsworth, R. Diane	Willoughby, Ohio
Hoshowsky, Christine	Rochester, N. Y.
Householder, Grace	Weirton, W. Va.
Huggins, Patricia	Charleston, W. Va.
Hughes, Paula	New Castle, Pa.
Hunt, Charlotte	McDonald, Ohio
Jackson, Ellen	Minerva, Ohio
Jaeger, Donald	Morris Plains, N. J.
Jahre, Jeffrey	Brooklyn, N. Y.
James, Evan	Poland, Ohio
Kelly, William	East Liverpool, Ohio
King, Lynda	Yuba City, Calif.
Kistler, Allyn	Pittsburgh, Pa.
Klay, Jill	Pamona, N. Y.
Klein, Michael	Flushing, N. Y.
Kobylka, David	Lake Hiawatha, N. J.
Kradel, Paul	Butler, Pa.
Kramer, Lois	Great Barrington, Mass.
Krayer, Martha	Summit, N. J.
Kreuger, Linda	Orchard Park, N. Y.
Kupchik, Allen	Hewlett, N. Y.
Kurey, Michael	Monessen, Pa.
Laird, Samuel	Media, Pa.

Larrick, Judy	Butler, Pa.
Larsen, Thomas	Lincoln Park, N. J.
Leahy, Charles	Tenaflly, N. J.
Lee, Michael	Shreve, Ohio
Leighen, Barbara	Levittown, N. J.
Lester, Martha	Baden, Pa.
Llewellyn, Thomas	Fairmont, W. Va.
Macfarlane, Jean	Weston, Conn.
Mallalieu, Frank	Westfield, N. J.
Malone, George	Cleveland Hts., Ohio
Marion, Jennifer	Marmet, W. Va.
Marsh, Curtis	Milford, Conn.
McConnell, Lynn	White Plains, N. Y.
McFarland, Elizabeth	Coraopolis, Pa.
Meilton, Roger	Beaver, Pa.
Mendrzycki, James	Carnegie, Pa.
Miller, Donald	Uniontown, Pa.
Miller, Michael	Washington, D. C.
Mishkin, Kenneth	Forest Hills, N. Y.
Mitchell, Wilson	Columbus, Ohio
Monroe, Nancy	South Charleston, W. Va.
Moore, Thomas	Sharon, Pa.
Moran, G. Matt	New Cumberland, Pa.
Muller, Patricia	Roslyn, L. I., N. Y.
Najar, Barbara	Wyckoff, N. J.
Nonemaker, Richard	Glen Ridge, N. J.
O'Brien, Roger	Marion, Ind.
O'Roark, James	Weirton, W. Va.
Ortman, Jeffrey	Buffalo, N. Y.
Pannier, Cathie	Pittsburgh, Pa.
Pappas, Edward	West Belmar, N. J.
Pappas, John	New Castle, Pa.
Parker, Priscilla	Salisbury, Md.
Poggi, Robert	Tenaflly, N. J.
Pollack, Barbara	Pittsburgh, Pa.
Possinger, Jean	Ridgway, Pa.
Post, James	Upper Montclair, N. J.
Pruitt, Mary	Pittsburgh, Pa.
Puncheon, Robert	Brilliant, Ohio
Quinn, Patricia	Canton, Ohio
Rafter, Thomas	Berwyn, Pa.
Ramming, Carl	Union City, N. J.
Rapp, William	Pittsburgh, Pa.
Rawson, Thomas	Stratford, Conn.
Reed, George	Barnesville, Ohio
Reeve, Mary	Coraopolis, Pa.
Riggs, Robert	Wellsville, N. Y.
Riley, John	Westwood, N. J.
Ripper, Danjean	Butler, Pa.
Robbins, Thomas	Canonsburg, Pa.
Rodgers, Joseph	Canonsburg, Pa.
Rollo, Edmund	Wellsburg, W. Va.
Runk, Richard	Pittsburgh, Pa.
Scangarello, Peter	Caldwell Twp., N. J.
Schmid, Kenneth	Wexford, Pa.
Schollaert, Robert	Atlasburg, Pa.
Schonberg, Allan	Brooklyn, N. Y.
Setzer, Marilyn	Westfield, N. J.
Shapert, Gene	McKees Rocks, Pa.
Shields, Sarah	Kensington, Md.

Shutter, John	Ligonier, Pa.
Siegfried, Susan	Madison, N. J.
Simosko, Vladimir	Ambridge, Pa.
Sipprell, Robert	Buffalo, N. Y.
Smith, Carolyn	Chatham, N. J.
Smith, Gary	Pittsburgh, Pa.
Smith, Nancy C.	Cheshire, Conn.
Smith, Timothy	Snyder, N. Y.
Solar, Robert	Maynard, Ohio
Somerville, Dorothy	Springdale, Pa.
Spanogians, James	Burgettstown, Pa.
Specht, Cecelia	Somerset, Pa.
Spiegelberg, Beth	Silver Spring, Md.
Spurlock, David	Moundsville, W. Va.
Staley, Michael	Newell, W. Va.
Steffen, Donald	New Rochelle, N. Y.
Stein, Jack	Ambridge, Pa.
Stein, Leon	Pittsburgh, Pa.
Stone, Everett	Merrick, N. Y.
Storch, Warren	Forest Hills, N. Y.
Surawy, Tatiana	Clifton, N. J.
Taylor, John	Newtown, Conn.
Tegtman, William	Coral Gables, Fla.
Themmen, Arne	Teaneck, N. J.
Thorpe, Harvey	Pittsburgh, Pa.
Toth, Judith	Caldwell, N. J.
Trafton, Robert	Washington, D. C.
Traut, Claire	Pittsburgh, Pa.
Waldstein, Jay	Teaneck, N. J.
Wallach, Joan	Forest Hills, N. Y.
Warner, William	Litchfield, Conn.
Weber, Paul	Somerset, Pa.
Weber, Peter	Somerset, Pa.
Weber, Sallie	Devon, Pa.
Weed, Joyce	Pittsburgh, Pa.
Weymouth, Charlotte	Bethesda, Md.
Whitmyre, Linda	Mars, Pa.
Wicks, Victor	Ingomar, Pa.
Williamson, Richard	Stratford, Conn.
Wishart, Sandra	Short Hills, N. J.
Witmer, Paul	Buffalo, N. Y.
Wood, Martha	Essex Fells, N. J.
Wood, Matthew	Southport, Conn.
Woodruff, Mary	Charleston, W. Va.
Wright, Richard	Glen Dale, W. Va.
Yanda, Larry	Dillonvale, Ohio
Yates, Christopher	Allison Park, Pa.
Zisa, M. Kathleen	Hillsdale, N. J.

UNCLASSIFIED STUDENTS

Albert, Richard	Pittsburgh, Pa.
Badock, Stanley	Belle Vernon, Pa.
Barbarigos, Anna	Athens, Greece
Bennett, George	Erie, Pa.
Bizik, David	Steubenville, Ohio
Branch, Lawrence	Teaneck, N. J.
Brindle, John	Pittsburgh, Pa.
Brooks, Stephen	Wheeling, W. Va.
Carty, James W., Jr.	Bethany, W. Va.

Carty, Marjorie	Bethany, W. Va.
Cipoletti, Ralph	Wellsburg, W. Va.
Cramblet, Donna	Bethany, W. Va.
Dash, Gerald	Stamford, Conn.
Deitch, Jerry L.	Pughtown, W. Va.
DePrince, Charles	Cherry Hill, N. J.
Dunham, Deloris	Bethany, W. Va.
Elbert, Michael	Powhatan Point, Ohio
Fournet, Florence	Cimiez, Nice, France
Fowler, Sandra	Bethany, W. Va.
Frazier, Linda	Bethany, W. Va.
Graham, Linda	Bethany, W. Va.
Hauptfuehrer, Kurt	Bethany, W. Va.
Helmstead, George	Closter, N. J.
Henderson, Harriet	Wheeling, W. Va.
Herbert, Sandra	Salem, Ohio
Jones, Violet	Bethany, W. Va.
Kemp, Karen	Bethany, W. Va.
Ladd, David	Wheeling, W. Va.
Lewenstein, Leon	Pittsburgh, Pa.
Liston, Michael	Washington, Pa.
Lueckert, Kenneth	McKeesport, Pa.
Markley, Ruth	Bethany, W. Va.
Martin, Patricia	Philadelphia, Pa.
McCord, John C.	Wellsburg, W. Va.
Merrigan, William	Troy, N. Y.
Moneyhan, Gayle	Steubenville, Ohio
Morrow, Richard	North Canton, Ohio
Murphy, Michael	Greensburg, Pa.
Needles, Marvin	Steubenville, Ohio
Nevius, George	Plainfield, N. J.
O'Farrell, William	Charleston, W. Va.
Ossen, Leslie	Norwalk, Conn.
Pastor, Ricardo	La Paz, Bolivia
Pearson, Willa	Brownsville, Pa.
Preston, Ann	Bethany, W. Va.
Price, David	Bethany, W. Va.
Risher, Jack	Weirton, W. Va.
Samuels, Fred	Pittsburgh, Pa.
Scandrett, Alexander	Cornwall, N. Y.
Schmidt, Ronald	Steubenville, Ohio
Sheahan, William	Norwalk, Conn.
Smith, Wilson	Stratford, Conn.
Soly, Sieglinde	Bethany, W. Va.
Sweet, Barbara	Bethany, W. Va.
Tosi, F. David	Steubenville, Ohio
Tye, Jeannie	Bethany, W. Va.
Weser, Lessie	Wellsburg, W. Va.

OHIO VALLEY HOSPITAL NURSES

Allison, Mae	Chester, W. Va.
Ash, Bernice	Brilliant, Ohio
Black, Carolyn	Amsterdam, Ohio
Blaine, Nancy	Burgettstown, Pa.
Boone, Roberta	New Philadelphia, Ohio
Connors, Jo Ann	Mingo Junction, Ohio
Daily, Judith	Toronto, Ohio
DeJulio, Doria	Steubenville, Ohio
Duncan, Sharon	Steubenville, Ohio

Gilchrist, Carol	Brilliant, Ohio
Gregor, Sandra	Amsterdam, Ohio
Hall, Carol	Steubenville, Ohio
Harrah, Karen	Jewett, Ohio
Howell, Nancy	Wintersville, Ohio
Huffman, Susan	Steubenville, Ohio
Jones, Dorothy	Steubenville, Ohio
Kraeer, Judith	Burgettstown, Pa.
McAllister, Beverly	Wintersville, Ohio
Mills, Karen	Steubenville, Ohio
Minnick, Frances	Jewett, Ohio
Murphy, Suzanne	Mingo Junction, Ohio
Noonan, Florence	Toronto, Ohio
Nuzum, Barbara	Steubenville, Ohio
Paisley, Ruth	Chester, W. Va.
Rauch, Paula	Mingo Junction, Ohio
Schultz, Charlene	Richmond, Ohio
Starr, Mary Jane	Steubenville, Ohio
Thomas, Helen	Moundsville, W. Va.
Thomas, Sara	Moundsville, W. Va.
Vudrogovic, Joyce	Mingo Junction, Ohio
Walker, Patricia	Toronto, Ohio
Wallace, Shirley	Richmond, Ohio
Yanovjak, Frances	Weirton, W. Va.

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BEQUESTS

Gifts to the college may take the form of lectureships, of scholarships, of professorships, of additions to the material equipment, or of contributions to the permanent endowment fund or the current expense fund of the college. Special conditions may, of course, be attached to any gift. Forms of bequests are suggested as follows:

A. UNRESTRICTED BEQUEST

I give, devise, and bequeath to the Trustees of the Bethany College, a corporation established by law at Bethany in the State of West Virginia, the sum of _____ dollars, to be applied to the general uses and purposes of the said institution.

B. UNRESTRICTED BEQUEST MAKING THE COLLEGE RESIDUARY LEGATEE

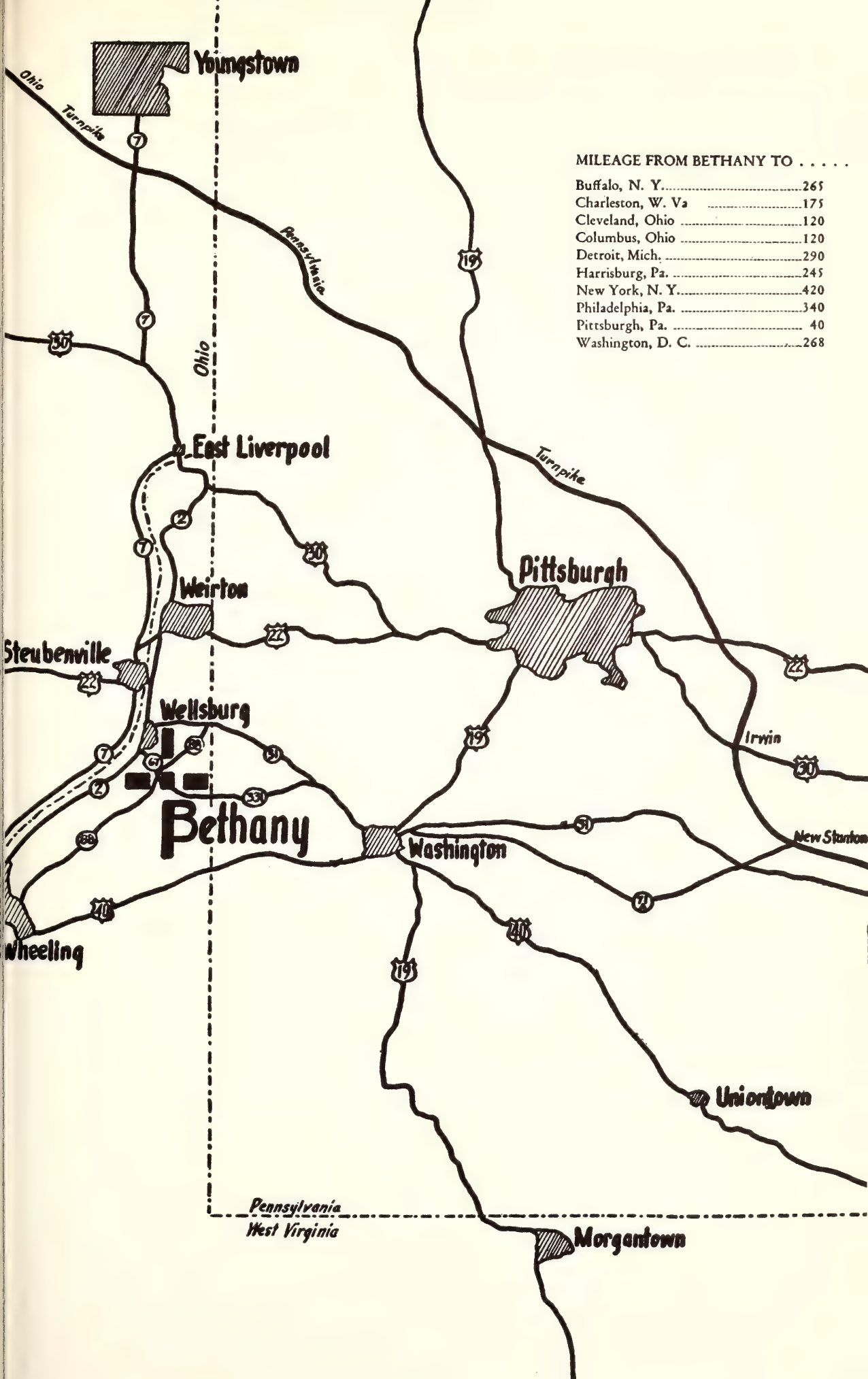
All the rest, residue, and remainder of my estate, real and personal, I devise and bequeath to the Trustees of the Bethany College, a corporation established by law at Bethany in the State of West Virginia, to be applied to the general uses and purposes of the said institution.

C. BEQUEST FOR ENDOWMENT

I give, devise, and bequeath to the Trustees of the Bethany College, a corporation established by law at Bethany in the State of West Virginia, the sum of _____ dollars to be invested and preserved inviolably for the endowment of Bethany College.







Buffalo, N. Y.	265
Charleston, W. Va.	175
Cleveland, Ohio	120
Columbus, Ohio	120
Detroit, Mich.	290
Harrisburg, Pa.	245
New York, N. Y.	420
Philadelphia, Pa.	340
Pittsburgh, Pa.	40
Washington, D. C.	268



BETHANY COLLEGE

Bethany, W. Va.



1964 SUMMER SESSION

COMPLETE COURSES IN 3 OR 4 WEEKS.

**ADVANCE PLACEMENT PROGRAM FOR HIGH SCHOOL
STUDENTS AND GRADUATES**

INDEPENDENT STUDY PROGRAMS

SUMMER SCHOOL APPLICATION—1964

(Complete all items that apply)

Name _____
Last First Middle

Address _____
Phone _____

Course (s):	Department	Crs. No.	Course Title
FIRST TERM	_____	_____	_____
SECOND TERM	_____	_____	_____
THIRD TERM	_____	_____	_____

Classification:

- ☐ Advance Placement Program
☐ Bethany Student
☐ Student at _____
☐ Teacher
☐ Other _____
☐ Want my credit transferred to _____

(Name and location of school)

Advance Placement Program applicants only:

I will ☐ be, will not ☐ be a high school graduate by June, 1964. After completing this work, I expect to continue toward a degree at Bethany ☐, enter another college ☐, have not decided ☐.

I am having transcripts ☐, permit ☐, recommendation ☐, sent from _____

Please reserve a single ☐, double ☐, room for the first ☐ term, second ☐ term, third ☐ term, all three ☐ terms.

I plan to have all meals ☐, lunches only ☐, no meals ☐, at the College. Enclosed is \$_____ representing full payment of comprehensive fees ☐; laboratory fees and deposits ☐; room rent incl. 3% tax ☐; room key deposit ☐.

or
Enclosed is \$_____ (\$5.00 per course) application fee to be credited to my account

I understand this is not refundable after June 1. (Balance of fees for each term payable on first day)

MAIL BY MAY 30 (Memorial Day)

Mr. John Graham, Director of Admission
Bethany College
Bethany, West Virginia

COURSES

Courses numbered 100-299 are usually taken in the freshman or sophomore years and those numbered 300-499 in the junior or senior years. All courses are open to qualified freshmen and high school students in the Advance Placement Program, as well as to more advanced students. Only one course may be taken each term. See course descriptions and time schedules following this list.

THREE-WEEK TERMS		
FIRST June 15-July 3	SECOND July 6-24	THIRD July 27-Aug. 14
Art 301		
Biology 101	Biology 102	
Economics 201	Economics 202*	
English 225	English 101	English 102
English 331	English 226	
	English 332	
History 201	History 202	
Mathematics 101	Mathematics 102*	
	Mathematics 201	Mathematics 202*
Psychology 201	Psychology 202*	
	Social Science 101	Social Science 102
Sociology 201		Sociology 202
FOUR-WEEK TERMS		
FIRST June 15-July 10	SECOND July 13-Aug. 7	
Chemistry 101	Chemistry 102*	
Spanish 101	Spanish 102*	

Second-of-a-series" courses for which the first course of the series (or its equivalent in high school or college work) is prerequisite. A student should not enroll in Chemistry 102, for example, without taking Chemistry 101 (or its equivalent) first. Second-of-a-series courses without an asterisk may be taken independently.

COURSE DESCRIPTIONS

Credit is in semester hours. Each class will meet all of the times listed following the course description. All times are daytime hours. Appropriate breaks will be provided.

Art 301. Ceramics (3 hrs.) Basic techniques of designing, building and glazing ceramics. Individual projects carried on according to student's ability. Prerequisite for Art majors only: Art 242, others none. Studio materials fee \$15.00. 8:30 - 12:00

Biology 101-102. General Biology (3 hrs. each) The fundamental structures and life processes of plants and animals including man, and their important interrelationships. Lab. fee \$8.00 per term.

Chemistry 101-102. General Chemistry and Inorganic Qualitative Analysis (4 hrs. each) Study of theoretical and descriptive inorganic chemistry and the principles of qualitative analysis. Laboratory work in 101 is concerned with selected experiments in basic chemical principles, and in 102 with a systematic qualitative scheme of analysis for the cations and anions. Prerequisite: Two high school units of mathematics through algebra and plane geometry or Mathematics 101. Chemistry 101 or equivalent is prerequisite for 102. Lab. fee \$8.00 per term. Breakage deposit \$5.00 for one or both terms. Daily 8:30 — 11:30; MTWT 1:30 — 4:30

Continued on Back

BETHANY COLLEGE

BETHANY, WEST VIRGINIA

1964 SUMMER SESSION

THE COLLEGE—Academic quality is emphasized the year round at Bethany, a liberal arts college where more than fifty per cent of the faculty have Doctor's degrees. Accreditation is by the North Central Association of Colleges and Secondary Schools. The tree-shaded campus is located on a thirteen-hundred acre estate in the Northern Panhandle of West Virginia about thirty-five minutes' drive from Wheeling, thirty minutes from Steubenville, Ohio, and an hour and ten minutes from Pittsburgh. Unusually cool summer temperatures common to Bethany, an air-conditioned library, ample parking, and nearness to Oglebay Park—known throughout the country for its outstanding recreational and cultural programs—make Bethany College ideal for summer attendance.

SUMMER SCHEDULE

For your convenience and economy, the summer session is divided into short terms of 3 or 4 weeks. You may enroll for any or all terms, and can complete one 3 or 4 semester hour course each term. This way you concentrate on a single course at a time, rather than several. Classes meet five days per week, Monday through Friday.

ADMISSION

CURRENTLY ENROLLED BETHANY STUDENTS should consult with their counselors in selecting courses. Former Bethany students not enrolled during the semester preceding the summer session must file an Application for Readmission with the Admission Office.

BEGINNING FRESHMEN AND TRANSFER STUDENTS—If you wish to continue at Bethany in the fall, ask the Admission Office for a regular Bethany College Bulletin immediately, and apply to the Director of Admission as explained in the Bulletin.

STUDENTS OF OTHER COLLEGES—If your summer school credit is to be transferred to another college, contact your advisor, dean, or registrar in advance to be sure you select the proper courses. A permit from your dean is required.

TEACHERS—Transcripts must be obtained from all other colleges previously attended if you plan to apply for certification through Bethany College. In some cases, electives cannot be applied until certain requirements have been met. Unless you are sure what courses you need, contact the Summer School Director for counseling **well in advance**. Teachers in other states are urged to consult their superintendents or state education departments regarding certification requirements if technicalities are involved.

Admission to the summer session does not obligate the College to continue a student in the regular academic year.

FOR INFORMATION

JOHN A. SPENCE, Director of the Summer School

Address: Bethany College
Bethany, West Virginia

Phone: Area Code 304
829-4321

REGISTRATION

You may register by mail or at the Admission Office in Cramblet Hall anytime after April 1. Those who prefer to register in person are advised to write or phone (Area Code 304) 829-4321, Extension 42, for an appointment.

YOU ARE URGED TO REGISTER BY JUNE 1 FOR ALL COURSES YOU PLAN TO TAKE.

A course for which insufficient registrations are received by this date will be cancelled. Should a "borderline" decision be necessary, your registration could be the deciding factor. Any priorities needed will be based on dates of application.

If it is impossible for you to register beforehand, you may apply at the first meeting of the class in which you wish to enroll, providing the course is not already filled. A list of classroom assignments may be obtained at any of the administrative offices in Cramblet Hall.

Term fees, including room rent, must be paid in full on or before the first day of each term.

Registration or course changes after a class begins must be approved by the Summer School Director and the instructors concerned. Special fees will apply in such instances.

The College reserves the right to cancel a course for which registration is insufficient or a qualified instructor is not available. Should this occur, persons registered will be notified immediately and refunds will be made.

CREDIT

The normal student load is one course per term. Ordinarily you can earn a maximum of 8-9 semester hours during the summer session, depending upon the courses you select.

ACADEMIC REGULATIONS

The grading system and academic regulations of the College as stated in the regular Bethany College Bulletin will apply to the summer session as applicable. Because of the concentrated nature of the courses, no unexcused absences are authorized.

BOOKS AND SUPPLIES

The College Book Store, located next to the Bethany Post Office, will be open at hours convenient for summer students.

HOUSING

All students who do not commute from home are required to live in College housing facilities unless excused by the Dean of Students. College residences are furnished with beds, mattresses, dressers, desks, and chairs. You will need to supply any other furnishings, such as curtains, bedding, pillows, towels, and study lamps.

Rooms are assigned by the term only. Requests for reservations should be made with your application form by June 1. You will be notified of your room assignment. Rooms will be available for occupancy at 2:00 p.m. on the Sunday preceding each term. Arrangements for earlier occupancy can be made with the Summer School Director.

A limited number of rental facilities for families will probably be available in Bethany. The College will give what help it can in locating such accommodations.

MEALS

Meals will be available at the College cafeteria and snack bar at reasonable cost. The first regular meal is Sunday evening June 14.

COSTS

Payable in advance;

Application fee—to be credited toward student's account; refundable until June 1, or in case applicant cannot be enrolled, per course	\$5.00
Special fees and deposits applicable to students seeking regular admission to Bethany College are given in the regular Bethany College Bulletin.	

Payable in full on first day of each term for which student registers:

Comprehensive fee including registration, tuition, library, health service, recreational and cultural activities, per semester hour	\$30.00
Auditing, per semester hour	\$30.00
Independent Study, per semester hour	\$35.00
Laboratory fees and deposits, when applicable, are given in course descriptions.	
Room (payable by the term)	
Double, per week	\$7.00
Single, per week	\$10.00
Plus \$1.00 double, \$1.50 single, per additional day.	
Plus 3% sales tax.	
Key deposit (refundable)	\$2.00

Payable as incurred:

Transcript (after first one)	\$1.50
Late registration fee, per day	\$4.00
Change of course fee	\$2.00
Infirmary charge (does not include meals or medical service), per day of confinement	\$4.00

MAKE CHECKS AND DRAFTS PAYABLE TO BETHANY COLLEGE

REFUNDS—All of your fees will be refunded if a class is cancelled. In case you must withdraw because of sickness or other causes entirely beyond your control, the comprehensive fee will be refunded on a pro rata basis figured from the end of the week in which you notify the Registrar **in writing** of your withdrawal. Those withdrawing for other reasons, or dismissed, will be ineligible for refunds.

INFIRMARY

The College Infirmary, staffed by a registered nurse, will care for minor ailments or make arrangements with physicians or hospitals to care for more serious illnesses or injuries.

DRAWING ACCOUNTS

The Business Office provides a limited banking service whereby you may deposit funds and draw on them as outlined in the College Bulletin.

RECREATION

Facilities for various sports and recreation are available to you on the campus and in and around Bethany. Oglebay Park, fifteen minutes drive from Bethany, provides excellent facilities for golf, tennis, fishing, swimming, hiking, picnicking, boating, dining, dancing, and concert going. Highland Springs Golf Club is five miles from the campus.

COURSES

Courses numbered 100-299 are usually taken in the freshman or sophomore years and those numbered 300-499 in the junior or senior years. All courses are open to qualified freshmen and high school students in the Advance Placement Program, as well as to more advanced students. Only one course may be taken each term. See course descriptions and time schedules following this list.

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Mathematics 101	History 202	
Psychology 201	Mathematics 102*	
	Mathematics 201	Mathematics 202*
	Psychology 202*	
	Social Science 101	Social Science 102
Sociology 201		Sociology 202
FOUR-WEEK TERMS		
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Spanish 101	Spanish 102*	

*"Second-of-a-series" courses for which the first course of the series (or its equivalent in high school or college work) is prerequisite. A student should not enroll in Chemistry 102, for example, without taking Chemistry 101 (or its equivalent) first. Second-of-a-series courses without an asterisk may be taken independently.

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BETHANY COLLEGE
BETHANY, W. VA.

SUMMER SESSION
1964

BETHANY COLLEGE BULLETIN

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BETHANY COLLEGE BULLETIN

1964-1965

COURSE DESCRIPTION (con't)

Economics 201-202. Principles of Economics (3 hrs. each) The fundamentals of economics; their application to economic, social and political conditions of today is stressed with the purpose of giving the student the approach to an intelligent outlook on current problems. 8:30 — 12:00

English 101-102. Freshman Composition (3 hrs. each) Training in the fundamentals of written expression, with emphasis on expository writing during the first course. Introduction to literary types and themes; preparation of one or two research papers. 8:30 — 12:00

English 225-226. Major American Writers (3 hrs. each) Study of the major American writers of the nineteenth and twentieth centuries. 8:30 — 12:00

English 331-332. The Twentieth Century (3 hrs. each) Study of the major writers of England and America during the present century. Several representative novels from each country will be read. Prerequisite: None. 8:30 — 12:00

History 201-202. United States History (3 hrs. each) The political, economic and social growth of America. First course covers the period of exploration to 1865; second covers from 1865 to the present day. 8:30 — 12:00

Mathematics 101. Mathematical Analysis (3 hrs.) Linear and quadratic equations; inequalities, progressions and binomial theorem; mathematical induction; logarithms, trigonometry, slide rule; analytic geometry of the straight line; determinants. 8:30 — 12:00

Mathematics 102. Mathematical Analysis (3 hrs.) Polar coordinates; complex numbers and DeMoivre's theorem; theory of equations; permutations and combinations; analytic geometry of second degree curves; quadric surfaces; introduction to the derivative. Prerequisite: Mathematics 101 or equivalent, or three units of mathematics at the secondary level, including trigonometry. 8:30 — 12:00

Mathematics 201. Differential Calculus (3 hrs.) Technique of differentiation with applications; parametric and polar equations; Newton's method; curvature and radius of curvature; approximations; indeterminate forms. Prerequisite: Mathematics 101-102 or equivalent. 8:30 — 12:00

Mathematics 202. Integral Calculus (3 hrs.) Technique of integration with applications; centroids, fluid pressure; series, expansion of functions, tests for convergence and divergence, hyperbolic functions. Prerequisite: Mathematics 201. 8:30 — 12:00

Psychology 201-202. General Psychology (3 hrs. each) An introduction to the general field of psychology; perception, learning, motivation, personality, and a survey of the areas within the general field. Lab. fee \$8.00 per term. 8:30 — 12:00

Social Science 101-102. Development of Western Institutions (3 hrs. each) The development of political, social, and cultural institutions from ancient times to the twentieth century, especially as they contribute to an understanding of our own civilization. Social Science 102 begins after the Reformation. 8:30 — 12:00

Sociology 201. Principles of Sociology (3 hrs.) The basic concepts and principles of sociology applied to modern society; social relations of the community; race and culture; social maladjustments; social processes, change and controls. 8:30 — 12:00

Sociology 202. Family Relationships (3 hrs.) The development of marriage and family social functions; contemporary problems and tendencies of the family of today. 8:30 — 12:00

Spanish 101-102. First Year Spanish (3 hrs. each) Fundamentals of pronunciation, grammar, reading and composition. Emphasizes the aural-oral method. Extensive laboratory work. Ordinarily, credit is given for 101 only if 102 is taken the following term. Lab. fee \$7.00. 8:30 — 12:00

ADVANCE PLACEMENT PROGRAM

FOR

HIGH SCHOOL STUDENTS & GRADUATES

Will you complete your junior or senior year of high school by this summer? Begin your college work **now** under ideal conditions, including close supervision and guidance by the college faculty.

Beat the fall rush. Establish a college record which will help you gain admission to the college of your choice.

Complete general requirements earlier and be prepared to move into advanced courses in your special field of interest sooner.

Graduate in three years — if you attend other summers also; a special advantage if you plan to go to a graduate or professional school.

You may attend (a) all three summer terms, earning 9 semester hours of college credit, (b) two terms, for 6-8 hours credit, or (c) one term, for 3-4 hours credit. You may select any of the courses for which have sufficient background. If in doubt, consult your counselor or the Summer School Director.

To apply, submit a SUMMER SCHOOL APPLICATION with appropriate spaces marked. A recommendation from your school principal or guidance counselor is required. High school transcripts or grade records need not be sent unless requested.

Credit earned in this program may be applied at Bethany or other colleges and universities. If you wish to continue at Bethany you should follow the usual procedures for admission to the College as outlined under the foregoing section on Admission.

SUMMER INSTITUTE FOR SECONDARY SCHOOL TEACHERS OF MATHEMATICS, CHEMISTRY, PHYSICS AND GENERAL SCIENCE

Supported by the National Science Foundation - June 22 - August 7.

For junior or senior high school teachers who need to strengthen their subject matter backgrounds and acquaint themselves with new developments in teaching science or mathematics. The following courses were designed at the advanced undergraduate or graduate level especially for the institute.

NSF INSTITUTE COURSES

Chemistry 501-s. Modern Chemistry (4 sem. hrs.) Designed to update the high school teacher of chemistry or general science. Lectures are equally divided between discussions of theory and drill sessions on the problems that result from applications of theories of chemistry. Laboratory work is done on the semi-micro scale.

Physics 501-s. Modern and Space Physics (4 sem. hrs.) Modern applications of physics, spectroscopy, radiation, wave mechanics, radio-activity and cosmic rays. Specific topics include the electron microscope, radar, the cyclotron and atomic power. Space physics includes history of rocketry, space travel and communications. Laboratory work included.



BETHANY COLLEGE
BETHANY, W. VA.

SUMMER SESSION

1964

BETHANY COLLEGE BULLETIN

Vol. LVII

Special Issue

Number 6

Entered as second class matter of the Post Office at Bethany, W. Va. Published every month except July and August by Bethany College, Bethany, W. Va.

Mathematics 501-s. Basic Mathematics (3 sem. hrs.) A review of traditional mathematics, linear and quadratic, equations, graphs, inequalities, binomial expansion and progressions, logarithms, trigonometric formulas, circular measure, complex numbers, conic sections, determinants and probability. Modern algebra is included to a limited extent.

Mathematics 525-s. Modern Algebra (3 sem. hrs.) Postulates for the integral domain, finite number systems, number theory, equivalence relations, binary Boolean arithmetic and circuit network theory, group, matrices, ideals and residue rings, vectors, derivatives and integrals of matrices. Designed to acquaint the participant with modern abstract algebra as recommended by the School Mathematics Study Group.

Mathematics 526-s. Modern Geometry (3 sem. hrs.) Euclidean and non-Euclidean geometries, and introduction to synthetic projective geometry, geometrical constructions, directed elements, ideal elements, duality, locus problems, transformations, inversion, properties of lines, circles and triangles, cyclic quadrilaterals, projective properties, theorems of Ceva and Menelaus with applications, recent developments and theorems, problems of Apollonius, impossible ruler and compass constructions.

NSF INSTITUTE SEMINARS

The purpose of each seminar is to acquaint the participant with new curriculum movements, new approaches to teaching, and recent scientific discoveries. Participants will prepare and present special reports.

Chemistry 577-s. Seminar for Chemistry Teachers (½ sem. hr.)

Mathematics 577-s. Seminar for Algebra Teachers (½ sem. hr.)

Mathematics 578-s. Seminar for Geometry Teachers (½ sem. hr.)

Physics 577-s. Seminar for Physics Teachers (½ sem. hr.)

Each participant will select two courses and two seminars. Special lectures and field trips will augment the program. For information write the Summer School Director.

INDEPENDENT STUDY

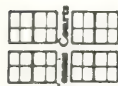
(1-3 semester hours credit)

If you need work in a subject area not offered as a summer school course you may arrange to do it on independent study basis provided (a) you have sufficient background, and (b) an instructor is available and willing to direct your study during the summer session. Frequent meetings with the instructor are required. Procedure is as follows:

1. Contact the appropriate subject matter department or the Summer School Director to see if such study is possible.
2. Obtain three (3) copies of the INDEPENDENT STUDY PLAN form from the Admission Office or Summer School Director and work out a plan with your instructor.
3. Submit a SUMMER SCHOOL APPLICATION with two completed copies of the INDEPENDENT STUDY PLAN attached.

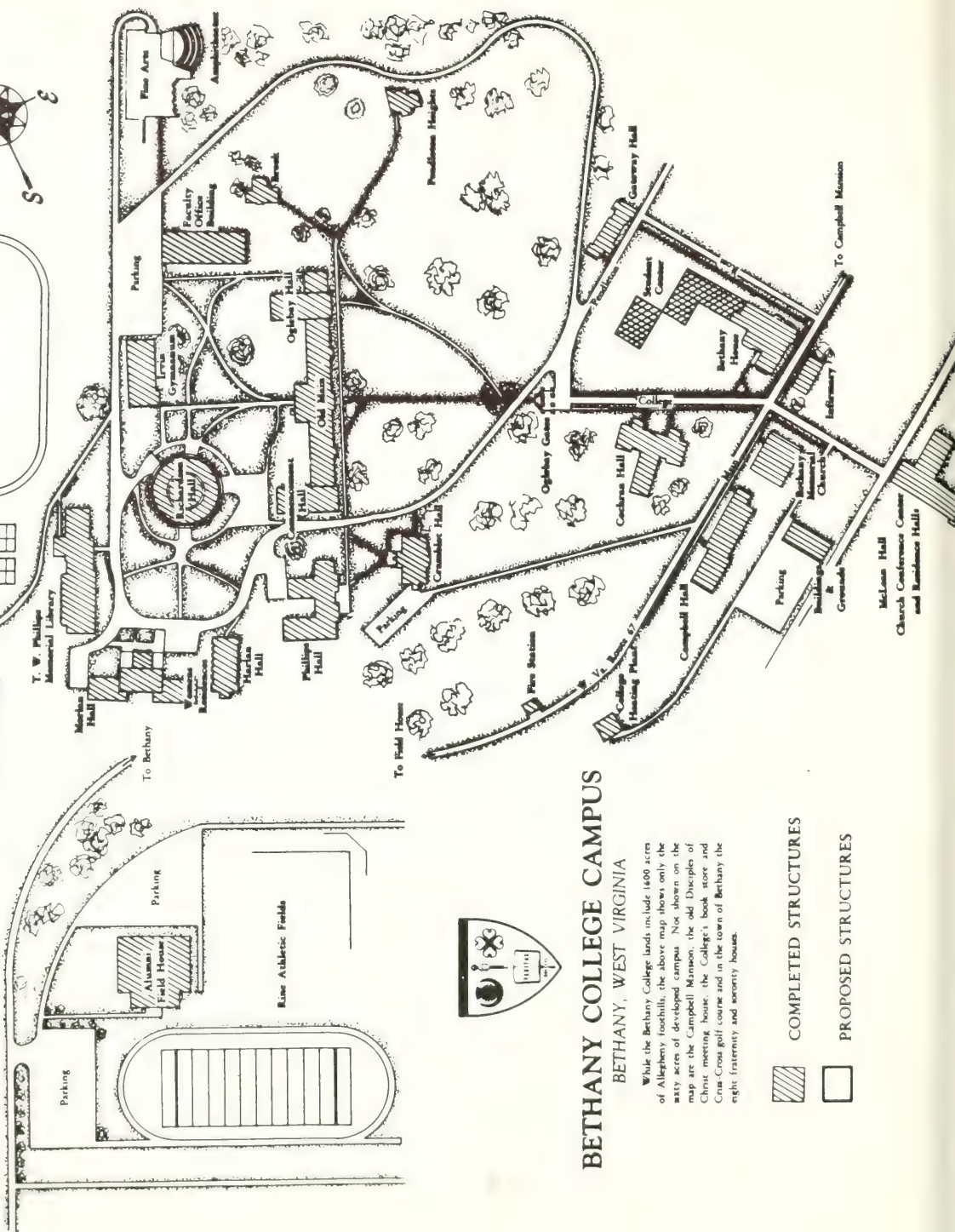
Laboratory fees will be charged if laboratory work is involved.

Married Student's Apartments



Men's Residences

Girls Athletic Field



BETHANY COLLEGE CAMPUS

BETHANY, WEST VIRGINIA

While the Bethany College lands include 1400 acres of Allegheny foothills, the above map shows only the wasty acres of developed campus. Not shown on the map are the Campbell Mansion, the old Disciples of Christ meeting house, the College's book store and Criss-Cross golf course and in the town of Bethany the eight fraternity and sorority houses.

-  COMPLETED STRUCTURES
-  PROPOSED STRUCTURES

BETHANY COLLEGE BULLETIN

Vol. LVII

September, 1964

No. 7

Entered as second class matter at Bethany Post Office, Bethany, W. Va.

Published every month except July and August by Bethany College, Bethany, W. Va.

BETHANY COLLEGE

Bethany, W. Va.

CATALOGUE NUMBER

1964-1965

THE ONE HUNDRED AND TWENTY-FOURTH
ACADEMIC YEAR

CHARTERED AS A COLLEGE
MARCH 2, 1840 BY THE ASSEMBLY OF VIRGINIA
BUFFALO SEMINARY INSTITUTE IN 1818

CORRESPONDENCE DIRECTORY

Correspondence should be addressed as indicated below:

GENERAL COLLEGE POLICY

President

ADMINISTRATIVE AND FINANCIAL MATTERS

Vice President

EDUCATIONAL AND INSTRUCTIONAL PROGRAM

Dean of Faculty

STUDENT INTERESTS AND FINANCIAL AID

Dean of Students

BUSINESS MATTERS, STUDENT ACCOUNTS AND PURCHASING

Business Manager

ACADEMIC RECORDS

Registrar

ADMISSION

Director of Admission

ALUMNI RELATIONS

Director of Alumni Relations

DEVELOPMENT

Director of Development

PUBLIC RELATIONS AND PUBLICITY

Director of Public Relations

CALENDAR

1964-1965

JUNE							JULY							AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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1965-1966

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COLLEGE CALENDAR FOR 1964-1965

FIRST SEMESTER

1964		
Sept. 11-12	Friday-Saturday	Faculty Seminar
Sept. 13	Sunday	Residences open to new students
Sept. 14-16	Monday-Wednesday	Orientation and evaluation for new students
Sept. 16	Wednesday 1:00 P.M.	Registration Day for new students
Sept. 17	Thursday 8:00 A.M.	Classes begin for freshmen
Sept. 17	Thursday 8:00 A.M.	Registration Day for upper classmen
Sept. 18	Friday 8:00 A.M.	Classes begin for upper classmen
Oct. 1	Thursday	Last day for re-adjustment of schedule without penalty and last day for registration for full class program (12 credit hours)
Oct. 8	Thursday	Formal Convocation
Oct. 17	Saturday	Homecoming
Nov. 14	Saturday, Noon	Mid-semester grades are called
Nov. 18,19,20	Wednesday P.M.-Friday	Christian Living Emphasis Week
Nov. 25	Wednesday, Noon	Thanksgiving recess begins
Nov. 30	Monday 8:00 A.M.	Thanksgiving recess ends
Dec. 1	Tuesday	Election to recognition societies
Dec. 5	Saturday	Modern Language Reading Test
Dec. 7-12	Monday-Saturday	Advance Enrollment for second semester
Dec. 9-10	Wednesday-Thursday A.M.	Graduate Record Examination
Dec. 18	Friday	All College Christmas Party
Dec. 19	Saturday, Noon	Christmas recess begins
1965		
Jan. 4	Monday 8:00 A.M.	Christmas recess ends
Jan. 19	Tuesday	Reading day for final examinations
Jan. 20-26	Wednesday-Tuesday	Final Examinations for first semester

SECOND SEMESTER

Jan. 31	Sunday	Residences open to new students
Jan. 31-Feb. 1	Sunday-Monday A.M.	Orientation and evaluation for new students
Feb. 1	Monday	Registration Day, ALL STUDENTS
Feb. 2	Tuesday 8:00 A.M.	Classes begin for all students
Feb. 4	Thursday	Formal Convocation
Feb. 13	Saturday	Last day for re-adjustment of schedule without penalty and last day for registration for full class program (12 credit hours)
March 4	Thursday	Founder's Day
March 8-13	Monday-Saturday	Fine Arts Festival
March 12	Friday	Election to recognition societies
March 12-13	Friday-Saturday	Sophomore Comprehensive Examination (required of all Sophomores)
March 20	Saturday, Noon	Mid-semester grades are called
March 20	Saturday, Noon	Spring recess begins
March 29	Monday 8:00 A.M.	Spring recess ends
April 1	Thursday	Honors Day
April 24	Saturday	Modern Language Reading Test
April 26-27	Monday-Tuesday	Ministers' Workshop and Oreon E. Scott Lecture
April 26-May 1	Monday-Saturday	Advance Enrollment 1965-1966
April 29-30	Thursday-Friday	Political Science Seminar
May 1	Saturday	May Morning Breakfast for College Women
May 7,8,9	Friday-Sunday	Spring Festival
May 9	Sunday	Mothers' Day
May 13	Thursday	Reading period begins for seniors
May 24-28	Monday-Friday	Senior Comprehensive Examinations
May 28	Friday	Reading Day for final examinations
May 29-June 4	Saturday-Friday	Final Examinations for second semester
June 3	Thursday	Faculty Meeting
June 4	Friday	Annual Meeting of the Board of Trustees
June 5	Saturday	Alumni Day
June 6	Sunday	124th Annual Commencement

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THE COLLEGE

Personnel

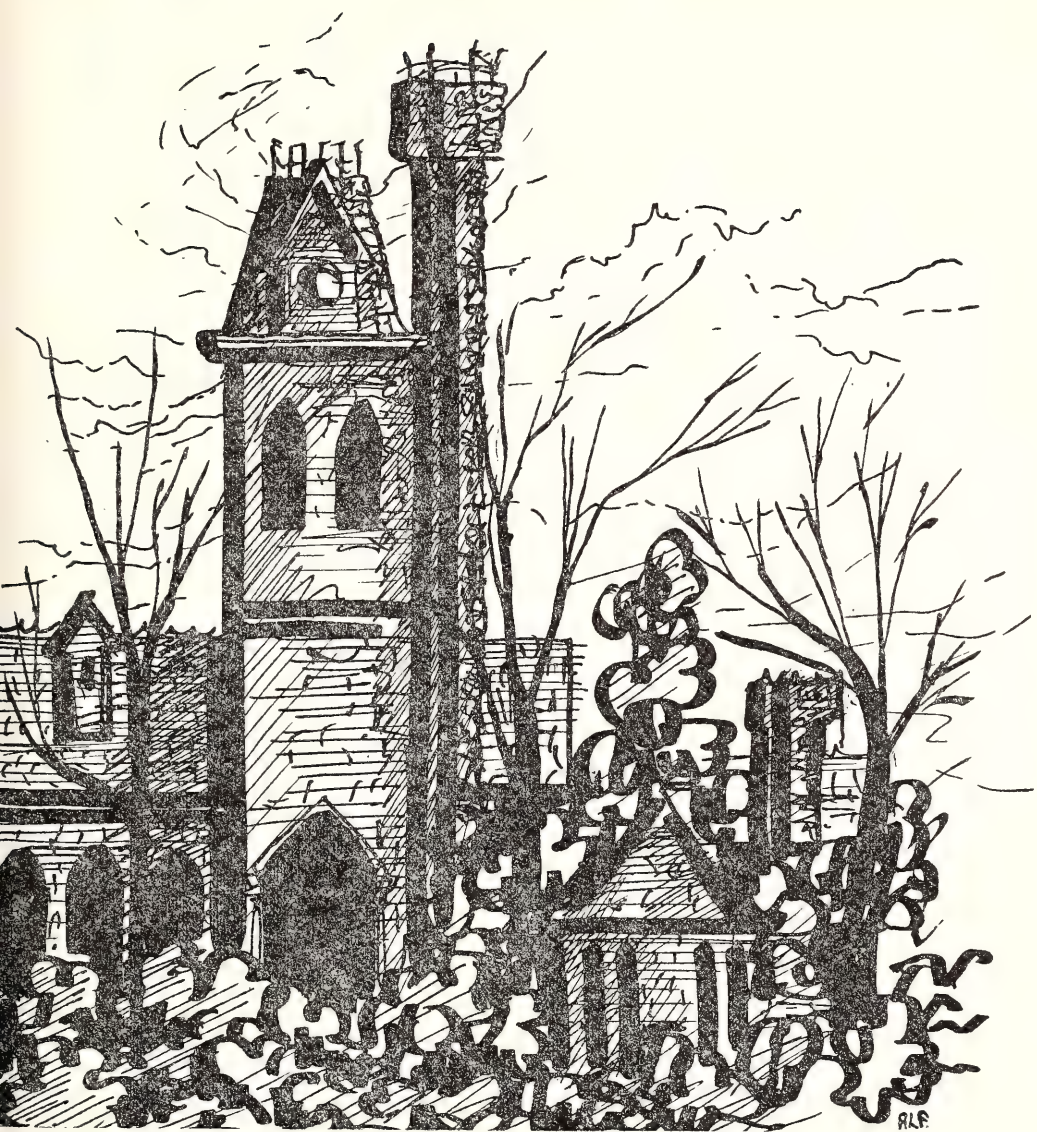
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THE COLLEGE

BOARD OF TRUSTEES

OFFICERS OF THE BOARD

MAYNARD L. PATTON, *Chairman*
PERRY E. GRESHAM, *President*
WARNER G. PETERSON, *Treasurer*
CHARLES D. BELL, *Secretary*

MEMBERS OF THE BOARD

TERM EXPIRES JUNE, 1965

ROY S. ADKINS North American Cement Corporation
41 East 42nd Street, New York, New York
CHARLES D. BELL 67 7th Street, Wellsburg, West Virginia
*FRANCIS O. CARFER 50 Lincoln Boulevard, Kenmore, New York
A. DALE FIERs Ex. Secy. Int. Con. Chr. Churches Disciples of Christ
221 Ohmer Ave., Indianapolis, Ind.
HAMILTON C. FORMAN 1524 Coral Ridge Drive, Fort Lauderdale, Fla.
C. ALLEN HARLAN Harlan Electric Company, 901 West Milwaukee,
Detroit 2, Michigan
KARL B. LUTZ 653 Racine Avenue, Pittsburgh 16, Pennsylvania
MAYNARD L. PATTON 35 Cliffview Avenue, Fort Thomas, Kentucky
DR. R. R. RENNER 1259 Oakridge, Cleveland 21, Ohio
MRS. A. E. WRIGHT, SR. 95 Ben Lomond Street, Uniontown, Pa.

TERM EXPIRES JUNE, 1966

*DONALD L. BOYD 67 Greenwood Ave., Wheeling, West Virginia
CARL CLAYTON 1320 Enquirer Building, Cincinnati 2, Ohio
MERRITT J. DAVIS Banner Fibreboard Co., Wellsburg, West Virginia
ROBERT D. HURL Shelby Salesbook Company, Shelby, Ohio
M. J. KASARDA Farmers and Merchants National Bank Building,
Bellaire, Ohio
JOHN MARSHALL 528 Union Trust Building, Washington 5, D. C.
JUNIUS T. MOORE Box 2311, Charleston 28, West Virginia
FRANK L. WIEGAND, JR. ..855 Academy Place, Pittsburgh 16, Pennsylvania
A. H. WILSON 410 Forest Lake Drive, Wilmington, Ohio
AUSTIN V. WOOD Wheeling News Publishing Company
1500 Main Street, Wheeling, West Virginia

TERM EXPIRES JUNE, 1967

GEORGE J. BARTHOLD Miners and Mechanics Savings and Trust Co.,
132 N. 4th Street, Steubenville, Ohio
COURTNEY BURTON Hanna Building, Cleveland, Ohio
PHILIP K. HERR Pittsburgh National Bank, 414 Wood St.,
Pittsburgh, Pennsylvania
MISS PEARL MAHAFFEY Bethany, West Virginia
CHARLES H. MANION 1222 Pleasant Avenue, Wellsburg, West Virginia
DR. J. PARK McMULLEN 700 Charles Street, Wellsburg, West Virginia
CHARLES E. PALMER Peoples Union Bank and Trust Company,
McKeesport, Pennsylvania
W. ARTHUR RUSH Art Rush, Inc. 357 N. Canon Drive,
Beverly Hills, California
HOLLIS L. TURLEY Pension Fund of Disciples of Christ
800 Test Building, Indianapolis 4, Indiana

FACULTY REPRESENTATIVE TO THE BOARD

PROFESSOR WILLIAM L. YOUNG (June 1965) Bethany, West Virginia
*Deceased 1964

COMMITTEES OF THE BOARD OF TRUSTEES

EXECUTIVE (Elected)

Charles H. Manion, Chairman; Carl W. Clayton, Merritt J. Davis, A. Dale Fiers, C. Allen Harlan, Robert D. Hurl, Michael J. Kasarda, J. Park McMullen, C. E. Palmer, Maynard L. Patton, Frank L. Wiegand.

FINANCE, BUDGET AND AUDIT (Elected by Executive Committee)

J. Park McMullen, Chairman; Merritt J. Davis, Charles H. Manion, (Charles D. Bell, Ex-Officio).

INVESTMENT (Elected)

C. E. Palmer, Chairman; Phillip K. Herr, Charles H. Manion, Frank L. Wiegand, (W. G. Peterson, Ex-Officio).

BUILDINGS AND GROUNDS

Merritt J. Davis, Chairman; Carl W. Clayton, Robert D. Hurl, Michael J. Kasarda, Charles H. Manion.

CHURCH RELATIONS

Hollis L. Turley, Chairman; George J. Barthold, Hamilton C. Forman, Frank L. Wiegand, Albert H. Wilson.

NOMINATING

A. Dale Fiers, Chairman; J. Park McMullen, Maynard L. Patton, R. R. Renner, Charles D. Bell.

STUDENT-FACULTY-ALUMNI RELATIONS

Michael J. Kasarda, Chairman; A. Dale Fiers, Pearl Mahaffey, C. E. Palmer.

PUBLIC RELATIONS

Karl B. Lutz, Chairman; W. Arthur Rush, Austin V. Wood.

DEVELOPMENT CAMPAIGN COMMITTEES

DEVELOPMENT FUND: C. Allen Harlan, Chairman; Roy S. Adkins, Courtney Burton, Carl W. Clayton, Philip K. Herr, John Marshall, J. Park McMullen, Maynard L. Patton.

WILLS AND ANNUITIES: Richard R. Renner, Chairman; W. Arthur Rush, Hollis L. Turley, Frank L. Wiegand, Mrs. A. E. Wright.

OFFICERS OF ADMINISTRATION

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MERRILL PETTY	<i>Assistant to the President, Director of Development</i>
HAROLD C. DOSTER	<i>Assistant to the President, Alumni Relations and Special Development</i>
FRANK DUNN	<i>Assistant to the President, Field Representative</i>
JAMES W. CARTY, JR.	<i>Director of Public Relations and Publications</i>
FARRELL D. WALTERS	<i>Director of Church Relations and Ministerial Training</i>

OFFICE OF THE VICE-PRESIDENT AND TREASURER

WARNER G. PETERSON	<i>Vice President and Treasurer</i>
JERRY L. JONES	<i>Business Manager</i>
HARLIE B. DUNHAM	<i>Superintendent of Buildings and Grounds</i>
CECIL WELLS	<i>Asst. Superintendent of Buildings and Grounds</i>
LOIS J. COX	<i>Accountant</i>
PAUL E. WHITE	<i>Purchasing Agent and Manager of College Stores</i>
JAMES GRIBBEN	<i>Chief Engineer</i>
I. S. CIPOLLA	<i>Manager of Food Service</i>
RUTH B. MARTIN	<i>Cashier</i>

OFFICE OF THE DEAN OF THE FACULTY

BERNAL R. WEIMER	<i>Dean of the Faculty</i>
JOHN J. CLOPINE	<i>Librarian</i>
JOHN N. DEPEW	<i>Assistant Librarian</i>
LUTA M. GORDON	<i>Registrar</i>
HELEN YOUNG CROSS	<i>Assistant to the Registrar</i>
JOHN A. SPENCE	<i>Director of the Summer School</i>

OFFICE OF THE DEAN OF STUDENTS AND ADMISSION

ROBERT A. SANDERCOX	<i>Dean of Students and Admission</i>
DARLINE B. NICHOLSON	<i>Dean of Women</i>
JOSEPH M. KUREY	<i>Assistant to the Dean of Students</i>
JOHN GRAHAM	<i>Director of Admission</i>
C. MARC ARNOLD	<i>Admission Counselor</i>
WILLIAM A. WYMAN	<i>Admission Counselor</i>
BASIL P. PAPADIMITRIOU, M.D.	<i>College Physician</i>
CATHERINE SPRINGER, R.N.	<i>College Nurse and Supervisor of Infirmary</i>

FACULTY OF INSTRUCTION

PERRY EPLER GRESHAM, *President of the College on the M. M. Cochran Foundation.* (1953).

A.B., B.D., Texas Christian University; LL.D., Texas Christian University; Litt. D., Culver Stockton College; L.H.D., Chapman College; University of Chicago; Columbia University.

WARNER G. PETERSON, *Vice President and Treasurer.* (1952).

A.B., Allegheny College; Ohio State University.

PEARL MAHAFFEY, *Professor of Foreign Languages Emeritus.* (1908-1949).

A.B., Miami University; A.M., Columbia University; Litt. D., Bethany College; McGill University; University of Paris; National University of Mexico.

ANDREW LEITCH, *Sarah B. Cochran Professor of Psychology Emeritus.* (1920-1956).

A.B., A.M., Butler College; B.D., Ph.D., Yale University; D.D., Butler University; Columbia University; University of Chicago; University of Pennsylvania; Harvard University.

EMMETT EPHRAIM ROBERTS, *Professor of Journalism Emeritus.* (1928-1960).

A.B., Ohio University; A.M., Ohio State University; New York University.

HARRY LAWRENCE ICE, *Director of Ministerial Training and Professor of Religion Emeritus.* (1944-1954).

A.B., A.M., Bethany College; Ph.D., George Washington University; D.D., Bethany College.

DANIEL SOMMER ROBINSON, *Professor of Philosophy Emeritus.* (1954-1958).

A.B., Butler College; A.M., Yale University; Ph.D., Harvard University; Litt. D., Marietta College; University of Breslau.

OSBORNE BOOTH, *T. W. Phillips Professor of Old Testament Emeritus.* (1929-1964).

A.B., Hiram College; B.D., Ph.D., Yale University; University of Chicago.

MARGARET ROBERTS WOODS, *Associate Professor of Foreign Languages Emeritus.* (1943-1961).

A.B., Wellesley College; A.M., Pennsylvania State University; Middlebury College; Columbia University; Colorado College; University of Besancon; University of San Luis Potosi.

WINIFRED WEBSTER (MRS.), *Dean of Women and Instructor in English Emeritus.* (1952-1960).

A.B., University of North Dakota; A.M., Columbia University.

BERNAL ROBINSON WEIMER, *Dean of the Faculty; Distinguished Professor of Biology and Head of the Department.* (1921).

A.B., A.M., West Virginia University; Ph.D., University of Chicago.

C. WILLIAM O'NEILL, *Distinguished Lecturer in Public Affairs*. (1959).
A.B. Marietta College; LL.B., Ohio State; LL.D., Defiance College;
LL.D., Ohio University; LL.D., Miami University (Ohio); LL.D.,
College of Steubenville; LL.D., West Virginia University; LH.D.,
Marietta College; LL.D., Heidelberg College; LL.D., Wilberforce
University.

JOHN J. KNIGHT, *Professor of Physical Education and Head of the Department*. (1930).
A.B., West Virginia Wesleyan College; A.M., Ohio State University;
University of Michigan.

JOHN STANLEY VALENTINE ALLEN, *Professor of Physics and Head of the Department*. (1933).
B.S. in E., M.S., Ph.D., Ohio State University; Massachusetts Institute
of Technology; West Virginia University; Pennsylvania State University;
University of Michigan; Georgetown University.

BENJAMIN CHANDLER SHAW, *George T. Oliver Professor of History and Political Science and Head of the Department*. (1935).
A.B., Rollins College; A.M., Ph.D., University of North Carolina;
American Academy in Rome; Royal University, Perugia, Italy.

EARL D. MCKENZIE, *Professor of Modern Languages and Head of the Department*. (1937).
A.B., Brown University; A.M., Columbia University; M. Litt., Ph.D.,
University of Pittsburgh; University of Frankfurt am Main; Yale
University; University of Paris.

HELEN LOUISE MCGUFFIE, *Professor of English and Head of the Department*. (1947).
A.B., Bethany College; A.M., University of Pittsburgh; Ph.D. Columbia
University.

JOHN DANIEL DRAPER, *Professor of Chemistry and Head of the Department*. (1951).
B.S., Franklin and Marshall College; Ph.D., University of Maryland;
Michigan State University.

ROBERT ASHER PRESTON, *Professor of Religion and Head of the Department*. (1955).
A.B., Texas Christian University; A.M., University of Chicago; Ph.D.,
University of Pittsburgh; Washburn University; Menninger School of
Psychiatry; Yale University.

WILBERT SCOTT RAY, *Professor of Psychology and Head of the Department*. (1956).
A.B., Washington and Jefferson College; A.M., Ph.D., University of
Wisconsin.

JAMES W. CARTY, JR., *Director of Public Relations and Publications and Professor of Journalism*. (1959).
A.B., Culver-Stockton; B.D., University of Chicago; M.S., Northwestern
University; University of Oklahoma; George Peabody College;
Scarritt College; Saltillo (Mexico) State Teachers College; Diploma
from National University of Nicaragua.

JOHN A. SPENCE, *Professor of Education and Head of the Department, Director of the Summer School*. (1961).
B.S., in Ed., M.A., Ph.D., Ohio State University.

- HSIOH-REN WEI, *Professor of Physics and Public Affairs*. (1963).
B.A., University of Nanking; Ph.D., University of Chicago.
- H. DONALD DAWSON, *Professor of Chemistry*. (1963).
B.Sc., Denison University; M.Sc., Ph.D., Ohio State University.
- ✓ WILLIAM E. LAWRENCE, *Visiting Professor of Sociology and Anthropology*. (1964).
B.A., Yale University; M.A., Ph.D., Yale University.
- BRADFORD TYE, *Associate Professor of Mathematics and Head of the Department*. (1943).
B.S., Alma White College; M.S., New York University; Rutgers University; Columbia University; University of Pittsburgh.
- GEORGE K. HAUPTFUEHRER, *Associate Professor and Head of the Department of Music*. (1945).
A.B., B.M., Friends University; A.M., University of Kansas; Pittsburgh Musical Institute; Juilliard School of Music; Indiana University.
- S. ELIZABETH REED, *Associate Professor of Physical Education*. (1945).
A.B., Muskingum College; M.Ed., University of Pittsburgh; University of Wisconsin; New York University; University of Wyoming; University of Southern California; University of Michigan.
- WILLIAM LEWIS YOUNG, *Associate Professor of History and Political Science, Director of the Honors Program*. (1950).
A.B., Bethany College; A.M., Ohio State University; Columbia University.
- *MARGARET MATHISON, *Associate Professor of Education*. (1951).
A.B., M.Litt., University of Pittsburgh; University of Southern California; Pennsylvania State University; Ohio State University.
- JOHN RAYMOND TAYLOR, *Associate Professor of English*. (1955).
A.B., Bethany College; M.A., Princeton University; University of Akron; University of Kansas; University of Birmingham, England; University of Edinburgh.
- HAROLD EDGAR MARTIN, JR., *Associate Professor of Health and Physical Education*. (1955).
A.B., Bethany College; A.M., University of Pittsburgh.
- *ROBERT H. SYKES, *Associate Professor of English*. (1956).
A.B., West Liberty State College; M.A., University of Pennsylvania; Ph.D., University of Pittsburgh.
- WILLIAM N. FERRIS, *Associate Professor of Foreign Languages*. (1956).
A.B., Bethany College; M.A., Ph.D., University of North Carolina; Columbia University.
- SHIRLEY GADDIS, *Associate Professor of Chemistry*. (1959).
A.B., M.S., University of Iowa; Ph.D., University of Missouri; University of Chicago; University of Illinois; Columbia University.
- BARRIE RICHARDSON, *Associate Professor of Economics and Head of the Department*. (1962).
B.A., Carleton College; M.B.A., D.B.A., Indiana University; University of Colorado.

*On leave of absence.

OLIVER MANNING, *Artist in Residence in the Department of Music*. (1961).
B.M., Louisiana State University; M.M., Cincinnati College—Conservatory of Music.

ROBERT A. SANDERCOX, *Dean of Students, Assistant Professor of Education*. (1963).
A.B., Bethany College; B.D., Yale University.

KENT K. McALEXANDER, *Assistant Professor of Art and Head of the Department*. (1959).
A.B., B.F.A., Washburn University; M.A., Ohio State University; University of Kansas; John Herron Art Institute; Carnegie Institute.

LUTA MARIE GORDON, *Registrar and Assistant Professor of Education*. (1959).
A.B., Bethany College; M.Ed., University of Pittsburgh; West Liberty State College; Fairmont State College; West Virginia University; Geneva College.

JERRY LEE JONES, *Business Manager and Assistant Professor of Economics*. (1959).
B.S., M.S., University of Tennessee; Case Institute of Technology.

ROBERT GARNER GOIN, *Assistant Professor of Physical Education*. (1960).
A.B., Bethany College; M.S., West Virginia University.

ABRAM KAMINSKY, *Assistant Professor of Music in Cooperation with the Bethany Public School*. (1960).
B.M.E., M.M.E., Indiana University; University of Michigan; Michigan State University; American University; Boston University.

JOHN GERALD PATTERSON, *Assistant Professor of History and Political Science, Director of the Falk Foundation Program*. (1961).
A.B., Bethany College; M.A., University of Virginia; University of Pittsburgh.

EDWARD E. SWEET, JR., *Assistant Professor of Biology*. (1962).
B.S., M. Litt., Ph.D., University of Pittsburgh.

J. JEFFERSON HAMILTON, *Chaplain*. (1962).
B.A., Phillips University; B.D., Yale University; St. Andrews University.

E. JANE PORTER, *Assistant Professor of Education*. (1962).
A.B., M.Ed., Ohio University; West Virginia University.

CHAI SIK CHUNG, *Assistant Professor of Sociology and Anthropology and Acting Head of the Department*. (1963).
Diploma, Methodist Theological Seminary; Th.M., Chosun Christian University; B.D., Harvard University; Ph.D., Boston University.

JOHN J. CLOPINE, *Head Librarian and Assistant Professor of Library Science*. (1963).
A.B., Bethany College; M.S. in L.S., Catholic University of America.

ROBERT EDWARD MYERS, *Assistant Professor of Philosophy*. (1964).
A.B., Bethany College; B.D., Texas Christian University; Ph.D., Ohio State University.

- STANLEY WARREN HUFF, *Assistant Professor of Economics*. (1964).
A.B., Kenyon College; M.A., Princeton University.
- RICHARD BRUCE KENNEY, *Assistant Professor of Religion*. (1964).
A.B., Washington University; B.D., Yale University; M.A., Yale University.
- CARL L. SCHWEINFURTH, *Assistant Professor of History and Political Science*. (1964).
B.S., University of Oregon; M.A., University of Florida; Ph.D., Southern Illinois University.
- ROBERT A. PATSIGA, *Assistant Professor of Chemistry*. (1964).
B.S., Geneva College; Ph.D., Syracuse University.
- GARY E. LARSON, *Assistant Professor of Biology*. (1964).
B.S., M.S., New York State University, Albany; Ph.D., Rutgers University; Albany Medical College.
- SUSAN WORTHEN HANNA, (MRS.), *Instructor in Health and Physical Education*. (1957).
A.B., Bethany College; Marjorie Webster School of Physical Education.
- HAROLD C. DOSTER, *Director of Alumni Relations and Instructor in Religion*. (1960).
A.B., Bethany College; B.D., Yale University; Western Reserve University.
- CHRISTIANE MAGDALENE ANGELE, *Instructor in Modern Languages*. (1961).
B.S., Alabama College; M.A., Middlebury College; University of Madrid; University of Berlin.
- DARLINE B. NICHOLSON, *Dean of Women and Conference Coordinator. Instructor in Physical Education*. (1962).
B.S., Fairmont State College; West Virginia University.
- MARGUERITE M. GIRARD, *Instructor in Foreign Languages*. (1962).
B.A., State Teachers College (France); Licence es Lettres, University of Aix en Provence; University of Exeter; University of Pittsburgh; University of Paris (Sorbonne).
- CORDELIA L. GRAY, *Instructor in Foreign Languages*. (1962).
A.B., University of Georgia; M.A., Tulane University.
- JOSEPH M. KUREY, *Assistant to the Dean of Students and Instructor in Mathematics*. (1962).
B.S., Bethany College; West Virginia University.
- JOHN N. DEPEW, *Assistant Librarian*. (1963).
A.B., Bethany College; M.S. in L.S., Western Reserve University.
- DONALD T. REILLY, *Instructor in English*. (1963).
A.B., Youngstown University; A.M., University of Illinois.
- DONALD L. WRIGHT, *Instructor in Psychology*. (1963).
B.A., College of Idaho; M.A., Ohio University.

- JOHN T. HAND, *Instructor in English*. (1964).
B.A., Syracuse University; M.A., State University of Iowa.
- JAMES EDWARD ALLISON, *Instructor in Mathematics*. (1964).
B.S., Bethany College; M.A., West Virginia University.
- HERBERT L. DRINNON, *Instructor of Speech and Dramatics*. (1964).
B.A., Berea College; M.A., University of North Carolina.
- DAVID E. SAMUEL, *Instructor in Biology*. (1964).
B.S., Juniata College; M.S., Pennsylvania State University.
- W. KIRK AVERY, *Instructor in English*. (1964).
B.A., Bethany College; M.A., Columbia University.
- JOHN WILLIAM LOZIER, *Instructor in History*. (1964).
A.B., University of Colorado; A.M., Ohio State University.
- GLENN A. LONG, *Instructor in Art*. (1964).
B.F.A.; M.F.A., Ohio University.
- MARY A. MCKENZIE, (MRS.), *Part-time Instructor in English*. (1945).
A.B., A.M., Radcliffe College.
- WILMA M. SHANER, (MRS.), *Part-time Instructor in Biology*. (1950).
A.B., Bethany College.
- HELEN PIERCE ELBIN, (MRS.), *Part-time Instructor in Music*. (1962).
A.B., Bethany College.
- WESLEY J. WAGNER, *Part-time Instructor in Art*. (1963).
Pennsylvania Academy of the Fine Arts; Barnes Foundation.
- PRISCILLA WINFIELD BOYER (MRS.), *Part-time Instructor in Music*. (1964).
A.B. Davis and Elkins College; M.M. West Virginia University.
- LUCILE BYRD SHAW, (MRS.), *Assistant to the Librarian*. (1955).
A.B., Woman's College of the University of North Carolina; B.L.S.,
Carnegie Institute of Technology; Cornell University.
- HELEN WILSON KNIGHT, (MRS.), *Assistant to the Librarian*. (1957).
A.B., Ohio Wesleyan University.
- DON GILLIS, *Consultant in Music*. (1963).
A.B., B.Mus., Dr. Mus., — Texas Christian University; M. Mus.,
North Texas Teachers College.
- LEVERING C. BONAR, *Lecturer in Education*. (1962).
A.B., Marshall University; M.A., University of Pittsburgh; West Lib-
erty State College; Carnegie Institute of Technology; West Virginia
University.

COMMITTEES OF FACULTY AND STAFF

1964-65

ADMISSION AND ACADEMIC REVIEW

Mr. Ray Chairman; Mr. Weimer, Mr. Preston, Mr. Young, Miss Gordon, Mr. Sandercox, Mr. Graham, Mr. Patterson.

ATHLETICS AND PHYSICAL EDUCATION

Mr. Richardson, Chairman; Mr. Knight, Miss Reed, Mr. Peterson, Miss McGuffie.

CULTURAL ACTIVITIES

Mr. Young; Chairman; Mr. Weimer, Mr. Preston, Mr. Hauptfuehrer, Mr. Patterson, Mr. Sandercox. Student members: John Curran, Michael Frank.

CURRICULUM

Mr. Weimer, Chairman; Mr. Richardson, Miss McGuffie, Mr. Preston, Mr. Draper, Mr. Ray.

FACULTY WELFARE AND SECURITY

(3 years) Mr. Patterson, Mr. Taylor; (2 years) Mr. Martin, Mr. Richardson; (1 year) Mr. Ferris, Miss Reed.

FOREIGN STUDENTS

Mr. McKenzie and Mr. Ferris, co-chairmen; Mr. Schweinfurth, Miss Gordon, Mr. Sandercox.

GANS AWARDS

Mr. Weimer, Chairman; Miss McGuffie, Mr. Draper, Mr. Allen, Mr. Tye.

HONORS

Mr. McKenzie, Chairman; Mr. Draper, Mr. Sandercox, Miss Gray, Mr. Weimer, Mr. Huff, Mr. Kenney.

HONORS PROGRAM ADVISORY

Mr. Weimer, Chairman; Mr. Young, Mr. McKenzie.

LIBRARY

Mr. Weimer, Chairman; Miss McGuffie, Mr. Spence, Mr. Young, Mr. Clopine, Mr. Jones.

MINISTERIAL TRAINING

Mr. Preston, Chairman; Mr. Walters, Mr. Doster, Mr. Kenney, Mr. Ferris.

PUBLIC RELATIONS

Mr. Sandercox, Chairman; Mr. Carty, Mr. Taylor, Mr. Doster.

RELIGIOUS LIFE

Mr. Preston, Chairman; Mr. Myers, Mr. Taylor, Mr. Sandercox, Mr. Hamilton.

HISTORY AND CHURCH RELATION

BETHANY COLLEGE is a private foundation chartered under the laws of the Commonwealth of Virginia on March 2, 1840. Alexander Campbell, celebrated debater, Christian reformer, and educator, wrote the Charter and provided the land for the campus as well as \$15,000 toward the first building. The first paragraph of the Charter reads as follows:

“Be it enacted by the general Assembly, That there be and is hereby created and established at or near Bethany, in the County of Brooke, in this Commonwealth, a seminary of learning for the instruction of youth in the various branches of science and literature, the useful arts, agriculture, and the learned and foreign languages.”

Campbell's idea of a college derived from his own academic experience at the Scottish University of Glasgow where he studied, and from the University of Virginia, whose founder, Thomas Jefferson, he greatly admired. As a result of these two models, the new college took on the ideals and collegiate Gothic architecture of the four-hundred-year old Glasgow, and the curriculum as well as most of its first faculty from the twenty-year old University of Virginia. Campbell added his original conception of a department of sacred history which would teach the Bible on a parity with other disciplines. He defined the liberal arts as follows:

“They are called liberal arts and sciences, not merely because they free the human mind from vulgar prejudices, ignorance, and error which they certainly do; but because they are general in their character and application, and open to us an extensive acquaintance with literature, science and art; and thus furnish us with the means of extending our acquaintance with nature, society, and the Bible, to any extent commensurate with the wants of our nature and the limits of our existence.”

Bethany has continued from 1840 to the present time as a four-year private college with a self-perpetuating board of trustees. The religious body known variously as the Christian Churches, Disciples of Christ, or Churches of Christ, of which Campbell was the principal founder, has been and continues to be a significant factor in the support and encouragement of the college. The eighteenth century home where Campbell lived and the private cemetery where he lies buried are part of the property of Bethany College. The undenominational nature of the restoration movement enables the college to exemplify the academic ideals of the Christian Churches with complete freedom from sectarian control.

When West Virginia became a separate state in 1863 Bethany continued to operate under its original charter from the Commonwealth. The general corporation laws of the new state specifically recognized the supremacy of charters previously granted by special acts of the Legislature of Virginia before the formation of the State of West Virginia. No amendments to the charter have been made. The newly formed Mountain State was indebted to Alexander Campbell for his influence in the Constitutional Convention of 1829 where the rift was started which eventuated in the wartime separation. Archibald Campbell, Wheeling publisher, who was a nephew of Alexander and a Bethany graduate, called the Convention which created the new state. The tower of Old Main at Bethany appears as one of the four historical landmarks in the rotunda of the State Capital Building at Charleston.

The college did not discontinue classes during the War between the States. Enrollment fell to thirty-three students for the term of 1862-63, but the college bell continued to ring and classes went on without interruption. The college was officially Unionist, but most of the students were from the southern states. Great inner discipline was required of each teacher and student when the waves of martial emotion swept the nation. The aged President Campbell said, "We at Bethany, in common with all the colleges in Virginia, and indeed all the South, are almost reduced to a shadow compared with bygone days and years. Martial glory and military splendor have usurped the throne of literature, science, and religion."

A resurgence of interest in the higher learning followed the War and brought great honor to Bethany. Professor A. E. Dolbear, while a Professor of Physics at Bethany, perfected the telephone receiver and delivered an important paper on the subject of his experiments before the American Association for the Advancement of Science which met at Portland, Maine in August, 1873. Dolbear sold his patents to the Alexander Graham Bell interests at a modest figure, since his interest was in science rather than commerce. James Lane Allen came to the faculty in 1880. One of his most celebrated novels was written while he was teaching Latin at the college. The strong emphasis on the sciences and humanities was matched by the awakening interest in the social sciences. Champ Clark of Congress and Joseph Rucker Lamar of the Supreme Court were among the graduates of that period.

The financial crisis of the 1890's threatened the very life of the college. Only the courage of the teachers and officers, together with the generosity of trustees such as T. W. Phillips, Sr. and Mr. M. M. Cochran, kept the classes going. Enrollment fell to fifty-three students in 1898, but the quality of instruction remained high in spite of unpaid salaries. In the face of such trials the faculty

bravely raised entrance requirements. By the turn of the century things began to improve. New buildings began to rise through the generosity of Earl W. Oglebay, M. M. Cochran, and T. W. Phillips, Sr. Endowments developed rapidly in the twentieth century until Bethany now stands tenth among colleges of less than one thousand in the entire nation with regard to endowments.

The unbroken tradition of academic excellence was undergirded by more adequate support as the century moved on. Forty percent of the faculty held earned doctorates by 1930. Bethany was on the early list of institutions accredited by the Southern Association and on the first list of those accredited by the North Central Association when regional jurisdiction was changed. The first list of approved colleges published by the Association of American Universities included Bethany. The faculty participated in an experimental program financed by the General Education Board and directed by the University of Chicago with a view to improvement in teaching methods. Comprehensive oral and written examinations were added to requirements for graduation. Distinction was early drawn between lower and upper divisions courses. Bethany has kept pace with other colleges while at the same time holding to the distinctive purposes which marked her foundation.

The two world wars of the present century have not changed the central concerns of the Bethany program, even though courses and arrangements were adjusted to meet the crises of the nation. A Student Army Training Corps was established in 1918, and a Navy V-12 unit operated during World War II, but the emphasis on the liberal arts and sciences was disrupted in neither period. High academics and a lively regard for character have continued without any diminution.

Bethany College has continued in the tradition of its founder with regard to equal opportunities for people of all races and backgrounds. In 1850 Mr. Campbell said that the College is "for the common cause, which knows not state, territory, lineage, blood, or policy of earth." Throughout its history people from various racial backgrounds have been represented in the student body, on its faculty, and staff.

The present faculty and student body are quite generally oriented toward the quiet ideals of learning and integrity with a fine sense of individual responsibility. A discerning visitor soon discovers substantial identity between the stated aims of the college and the present Bethany program. The hallmark of a Bethany education today is the same pursuit of truth in a context of freedom which Campbell wrote into the Charter and early bulletin of 1840.

ACCREDITATION

BETHANY COLLEGE is fully approved by regional and national accrediting agencies. The College is a member of the North Central Association of Colleges and Secondary Schools, the Association of American Colleges, the American Council on Education, the College Entrance Examination Board and the American Association of Colleges for Teacher Education.

Bethany College is recognized by many learned societies. State departments of education have approved Bethany as an institution for the training of teachers for the elementary and secondary schools.

Women graduates of Bethany College are eligible for membership in the American Association of University Women.

Bethany College is a member of the Board of Higher Education of the Disciples of Christ.

LOCATION

BETHANY COLLEGE is located in the Northern Panhandle of West Virginia, three miles from Pennsylvania, seven miles from Ohio, and thirty-five miles north of the Mason-Dixon line. Its setting in the peaceful Buffalo valley of the Allegheny foothills is semi-rural, yet accessible to the centers of culture, transportation, commerce, and industry: Pittsburgh, Pennsylvania, is an hour and ten minutes away, to the northeast; Wheeling, W. Va., thirty-five minutes to the southwest; the Wheeling airport, with taxi service to Bethany, twenty minutes away; Steubenville, Ohio, half an hour to the northwest.

FACILITIES AND RESOURCES

THE COLLEGE campus of some sixty acres is located within the corporate limits of the town of Bethany. On the crest of the hill overlooking the town are located the academic buildings, the offices of administration, the library, the residences for college women, the women's gymnasium, and the president's house. On the east slope of the main campus are the student center, infirmary, and men's residence halls, and, on the west side, the field house and recreational areas for both men and women.

The college lands include about thirteen hundred acres of farm and timber land adjacent to the campus area and available

for use by the students. These include the Alexander Campbell Farm, the Point Breeze Farm, the Parkinson Woods and other properties. Nature trails and picnic areas have been developed in some of these areas.

BUILDINGS

Old Main, the central unit of the academic buildings of the College, was built in 1858 to replace the original building which had been destroyed by fire the previous year. The Tower at the center of this building dominates the campus and the town and is the chief architectural feature noted as one approaches the College.

Commencement Hall, completed in 1872, provides the setting for convocations, concerts, dramatic presentations and other gatherings of a general nature. Studios and classrooms for the Departments of Music and Art are located on the ground floor of this building.

Oglebay Hall, dedicated in 1912, was built by the late Earl W. Oglebay of the class of 1869. The building accommodates the Departments of Biology and Psychology, and special research laboratories.

The Richardson Hall of Science (1964), which houses the Departments of Chemistry, Physics and Mathematics is named for Bethany's first Science Professor and is one of the outstanding Science Buildings in the country. The Benedum Foundation, the Phillips Family, Halford Morlan and the Kresge Foundation made major contributions to this project.

The Phillips Memorial Library, costing approximately a million dollars, is the gift of the Phillips family of Butler, Pa. as a memorial to T. W. Phillips, Sr. and T. W. Phillips, Jr.

Cramblet Hall houses the administrative offices of the college. This building is named in honor of two former presidents of the college, Thomas E. Cramblet and his son Wilbur H. Cramblet.

Faculty Office Building was given to the College in 1947. Of semi-permanent construction, it provides offices and seminar rooms.

The Alumni Field House, built in 1948 by gifts from alumni, former students and friends of the college, provides physical education facilities for men.

The Rine Recreation Fields were developed as a memorial to Edwin M. Rine, friend and benefactor of the College. The Rine Fields are adjacent to the Alumni Field House and include football and baseball fields, a quarter mile cinder track and an athletic field for use of college men.

The Irvin Gymnasium (1919) was a gift to the College by members of the Irvin family of Big Run, Pennsylvania. It was the physical education center for all members of the student body until 1948. Since that time it has served as the center of physical education for women. The swimming pool is in this building.

The Bethany House, completed in 1948, is the student center and houses the dining hall for men. The first floor, designated as the Bee Hive, provides an informal social center. The middle floor contains rooms for club meetings and private group dinners.

Pendleton Heights, built in 1841 by William K. Pendleton, a member of the first faculty and second president of the College, serves as the home of the President of the College.

The Infirmary contains the office of the College Physician, treatment and examination rooms, and wards for men and women.

The Outdoor Chapel is used for dramatics and other appropriate gatherings. This area, developed in cooperation with church groups in Pennsylvania and West Virginia, is also used as the site for vesper services at young people's summer conferences.

Phillips Hall, (1929) is the central residence for women students. It replaced the original Phillips Hall which was a gift of Thomas W. Phillips. In addition to residence accommodations, it contains the dining room for women.

Ivabell Harlan Hall (1960), is a residence hall for upper-class women. This building was made possible by a gift from C. Allen Harlan.

Morlan Hall (1963), is a residence for women. This building was made possible by a gift from H. J. Morlan.

Cochran Hall a men's residence, was built in 1910 by Mark M. Cochran, class of 1875, as a memorial to his son Percy B. Cochran of the class of 1900.

Campbell Hall (1956) a modern residence housing 100 upper classmen was made possible by gifts from the Christian Churches of West Virginia, New York, Pennsylvania, and Ohio.

A. McLean Hall (1962), is a men's residence and Church Conference Center, the funds for which are being provided by capital contributions of the Christian Churches of West Virginia.

McEachern Hall (1963), is a men's residence and part of the Church Conference Center, the funds for which are being provided by Daniel V. McEachern and the Christian Churches of West Virginia.

Gateway Hall, located near the upper campus gates, is a residence for upperclass students.

Fraternity Houses. Five national fraternities for men maintain residences which provide housing and social facilities for their members.

Cochran Heating Plant which furnishes heat to buildings on the main campus was a gift of Mark M. Cochran in 1910.

LIBRARY

The College library contains approximately 80,000 volumes of selected books and periodicals. Supplementary services include microfilm files, microfilm readers, recordings for work in speech and literature, a circulating art collection, and a music library of albums of recorded symphonies, concertos and operas.

The library receives approximately 300 periodicals, and several metropolitan dailies and foreign language papers.

Through a program instituted by the Carnegie Library of Pittsburgh, the Carnegie Institute of Technology, and the University of Pittsburgh, the facilities of these libraries and twelve co-operating colleges in Western Pennsylvania are available to students and faculty.

Several personal libraries and collections have been received by the College. The principal parts of the libraries of Alexander Campbell, Robert Richardson, Miss A. C. Pendleton, Archibald McLean, W. S. Priest, Levi Marshall, Miss Mary I. Nichols, R. H. Wynne, Cloyd Goodnight, M. M. Cochran, Mrs. Anna Ruth Bourne, Clarence A. Hanna, Miss Florence M. Hoagland, E. Lee Perry, Galen C. Hartman, Franklin T. Baker, Andrew Leitch, Forrest H. Kirkpatrick, and W. P. Harmon are among these.

Valuable early literature of the Disciples of Christ has come from Samuel Lindsay, Rev. W. S. Good, Miss Ellen Thomas, Rev. Ben S. Ferral, Almon B. Knowles, and others. Material related to the Disciples of Christ, together with papers and publications of historical importance to Bethany College, have been brought together in the Alexander Campbell Room located on the third floor of the library.

Special funds have been established by Anna Ruth Bourne, Galen Campbell Hartman, and the Kresge and Kellogg Foundations, designated for use in purchasing books for the collections.

LABORATORIES

Biology. The biology laboratories and seminar rooms, located in Oglebay Hall, provide instructional equipment for courses. Special laboratories and facilities are available for advanced students conducting independent studies.

Chemistry. Facilities for the Department of Chemistry occupy about half of the Robert Richardson Hall of Science. These include separate laboratories and stockrooms for general, analytical, organic and physical chemistry as well as for instrumental analysis including infrared and ultraviolet, spectral studies, independent study, radio-chemistry, shop work and glass working. There is available also a constant temperature room and a photographic dark room.

Adjacent to each faculty office is a private research laboratory and adjoining all offices is a departmental conference and seminar room. The chemistry library containing both journals and reference books, is housed in the science library on the first floor of the building.

Foreign Languages. The laboratories of the Department of Foreign Languages contain listen-respond-record equipment in thirty student booths, controlled by a master console capable of operating up to four different programs of tape and/or phonograph recordings simultaneously. Located at the entrance of Old Main, the laboratories are used in the audio-lingual approach to the learning of foreign languages employed at Bethany to develop the comprehensive and speaking competencies of students in the first- and second-year French, German, and Spanish courses and in the advanced conversations and methods courses. Native speakers are used to record the programs and to supervise the laboratory sessions.

Physics. The Physics Department is located on the first floor and in the basement of the Robert Richardson Hall of Science. There are new classrooms and laboratories for Physical Science and General Physics; and laboratories for advanced work in Optics, Radio, Electronics and Analytical and Quantitative Spectroscopy.

Psychology. The laboratories of the Department of Psychology, located in Oglebay Hall are equipped for work in experimental psychology, perception, mental measurements and some phases of applied psychology.

STUDIOS AND WORKSHOPS

Art. The Art Department has separate studios for drawing and painting, sculpture and ceramics. The ceramics studio is well equipped with electric kilns, wood kilns, potters wheels and spraying equipment. The sculpture studio is adapted for wood sculpture.

The Art Department exhibits one-man shows on the second floor of the Phillips Memorial Library and the gallery for student shows is available on the ground floor in Old Main.

Drama. The Theatre Workshop is located on the second floor in Old Main adjacent to the Little Theatre. The workshop and the Little Theatre provide the facilities and opportunities for scenic work and dramatic productions. The larger stage and auditorium of Commencement Hall are available for major productions of the Department of Speech and Drama.

Music. The Music Department has, on the first floor of Commencement Hall and Old Main, teaching studios, a studio-classroom, a general rehearsal room for the larger choral and instrumental groups, and individual practice rooms. Use is also made of Commencement Hall for rehearsal of very large groups—oratorio and opera productions. The organ which is used for teaching and practice is also located in Commencement Hall. Equipment includes grand pianos in the studios, the rehearsal room and Commencement Hall stage, practice console pianos in the other rooms, one two-manual harpsichord, a number of band and orchestral instruments, tape recording and phonograph equipment, and a library of choral and instrumental music. Additional listening equipment is located in the Phillips Memorial Library.

RESOURCES

The gross assets of Bethany College at the end of the fiscal year August 31, 1963, totaled \$13,036,840. In the assets, Endowment Funds are listed at a book value of \$6,075,375 and College Plant and Equipment is listed at a cost value of \$6,372,303. Other assets include loan funds, agency funds and miscellaneous items.

The College recognizes, with appreciation, the gifts of funds which not only provide lasting memorials for individuals and families but also make possible the program of a private college of quality.

The expenses of the College are met only in part by payments of students. The balance is provided by income from endowment

funds and by gifts. The private college depends upon the continued support of those who believe in its program.

The named endowment funds of the College include the following:

M. M. Cochran Endowment of President's Chair ..	\$100,000
M. M. Cochran General Endowment	500,000
M. M. Cochran Endowment of 1923	335,768
M. M. Cochran Special Trusts	846,880
T. W. Phillips, Sr., Chair of Old Testament	30,000
Sarah B. Cochran Chair of Philosophy	25,000
Moninger Memorial Bible Chair	24,980
George T. Oliver Chair of History	50,000
Pearl Mahaffey Chair of Modern Languages	1,295
R. A. Long Chair of Mathematics	50,000
T. W. Phillips, Jr., Endowment	59,277
Anna Louise Helwig Endowment	33,557
Men and Millions Endowment	66,150
Robert MacDougald Endowment	9,210
E. M. Rine Trust (to date)	173,384
Wilson Beall Memorial Fund	20,000
The Gans Fund for Research in Science	50,000
Miscellaneous General Endowments	672,620
The Ford Foundation	158,500
The Daniel F. Mullane Memorial Fund	13,933
The Albert H. Hunt Memorial Fund	36,069
David B. Steinman Fund	10,000

LIBRARY FUNDS

Michael L. Benedum	\$7,500
Thomas Bloch	1,000
Anna Ruth Bourne	12,749
Hamilton and Blanche Forman	1,000
Globe Brick, Sidney Porter.....	1,250
Cloyd Goodnight	3,318
Irwin T. Green	1,235
Aleece C. Gresham	1,000
Delmar S. Harder	6,740
Galen Campbell Hartman	25,615

R. L. Ireland	1,290
Jessop Steel Company	1,000
Kresge Foundation	50,000
Halford Morlan	5,000
Daniel F. Mullane	1,000
H. C. Ogden	8,000
Kenneth Resseger	6,015
Weirton Steel Free Enterprise	2,500
Cyrus F. Yocum	2,565

Named Funds for Scholarship and Student Aid purposes include: (See Section on Scholarships and Financial Aids).

Mary A. Morrison	\$1,000
Isaac Mills	1,000
G. A. Willett	4,000
Isaac Brown	750
Albert C. Israel	500
Jennie Irvin Hayes	5,000
Ida Mae Irvin	5,000
Herbert Moninger	2,455
Josiah Wilson	2,576
John H. and Ida H. King	18,292
Minnie W. Schaefer	8,350
John T. Smith	17,417
William Kimbrough Pendleton	20,000
Z. T. Vinson Memorial	1,600
Florence M. Hoagland Memorial	5,165
E. Lee Perry	11,928
William H. Vodrey	28,314
Arthur C. Stifel	30,213
Campbell Allen Harlan	17,000
Perry and Aleece Gresham	6,425
Greensburg (Pennsylvania) Area	20,429
N. W. and Bessie Evans	5,000
Patrick A. and Elizabeth Berry	5,000
Forrest H. Kirkpatrick	10,623
Irene O. Darnall	3,275
Lotta A. Calkins	21,045
John E. Sugden, Jr.	2,000
Marion and Frank Dunn	2,050

Argyle Campbell	1,520
Chapman	1,200
Ministerial Training	6,283
National Campbell	6,564
H. J. Morlan	5,000
Herbert and Marguerite Rech	500
A. Dale Fiers	2,500
Waymon and Dorthy Parsons Memorial	10,000
Earl and Jonsie Brink	1,000
Thomas J. Boyd	1,000

A
PICTORIAL PRESENTATION
OF



BETHANY COLLEGE

WITH EXCERPTS FROM ADDRESSES BY
PERRY EPLER GRESHAM
TWELFTH PRESIDENT OF THE COLLEGE



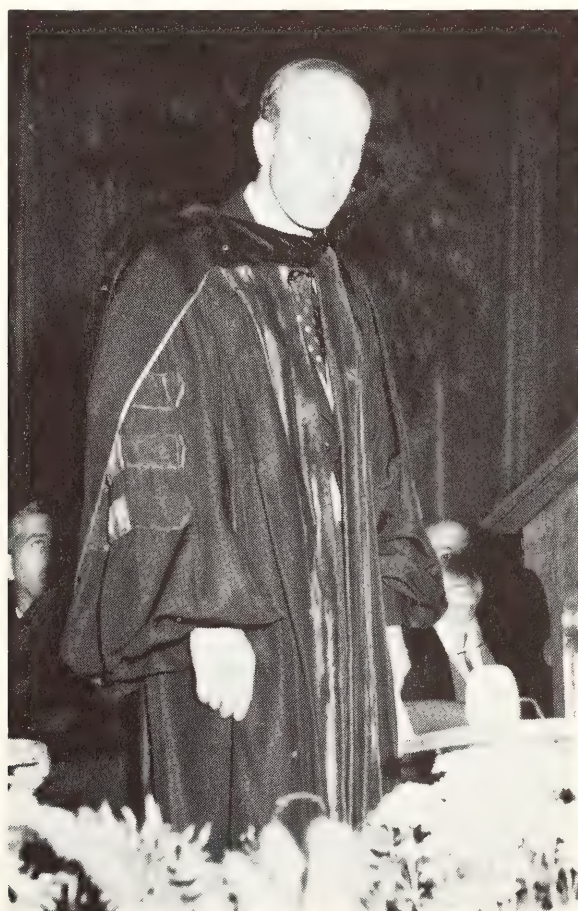
"Old Main"

"Bethany is an institution on which 'time has laid his hand' to mold and fashion for a destiny of true excellence."





Pendleton Heights — The President's Home



President Gresham



Robert Richardson Hall of Science



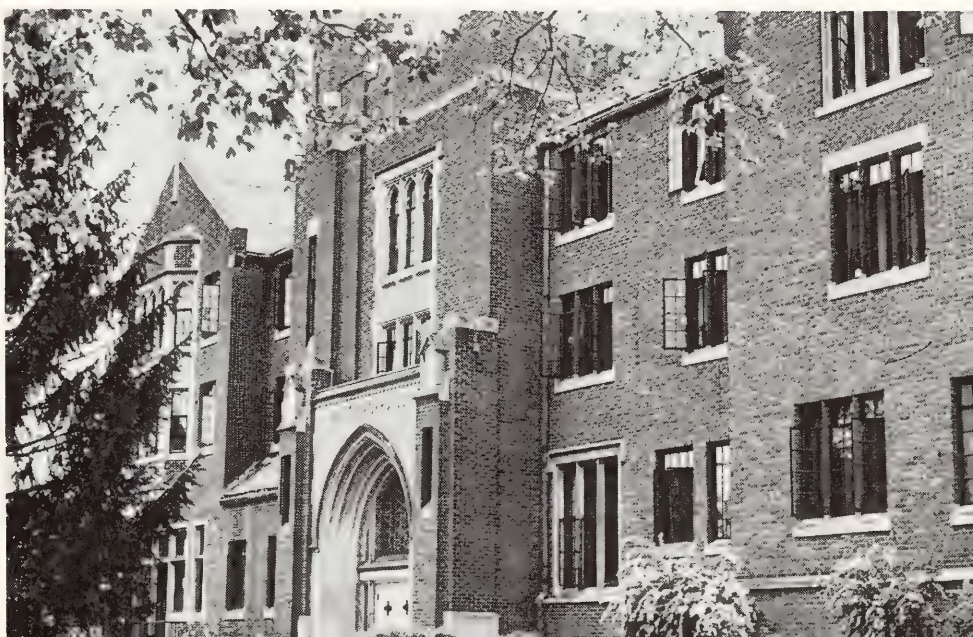
"The ideal Bethanian is primarily an intellectual who is highly motivated towards mastery of the disciplines which our culture honors. He is a free man dedicated to learning."

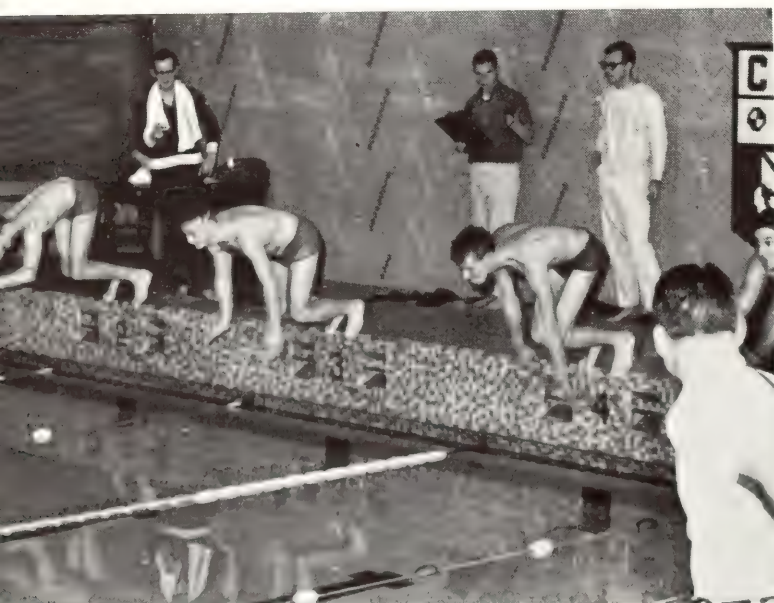
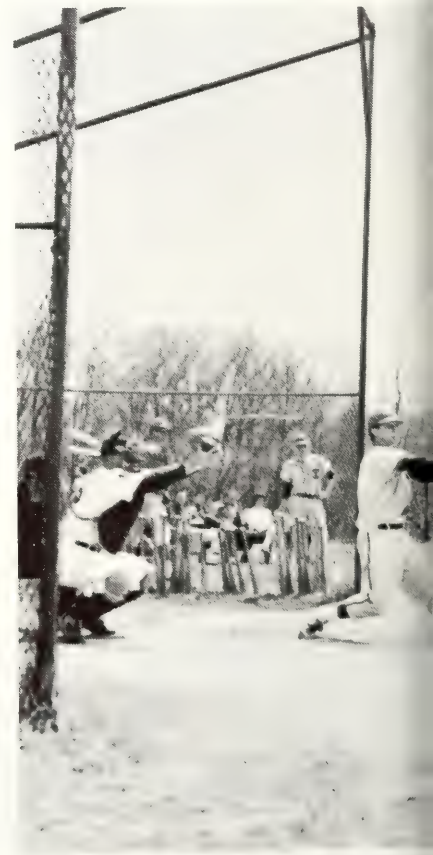
*Harlan Hall
for Women*



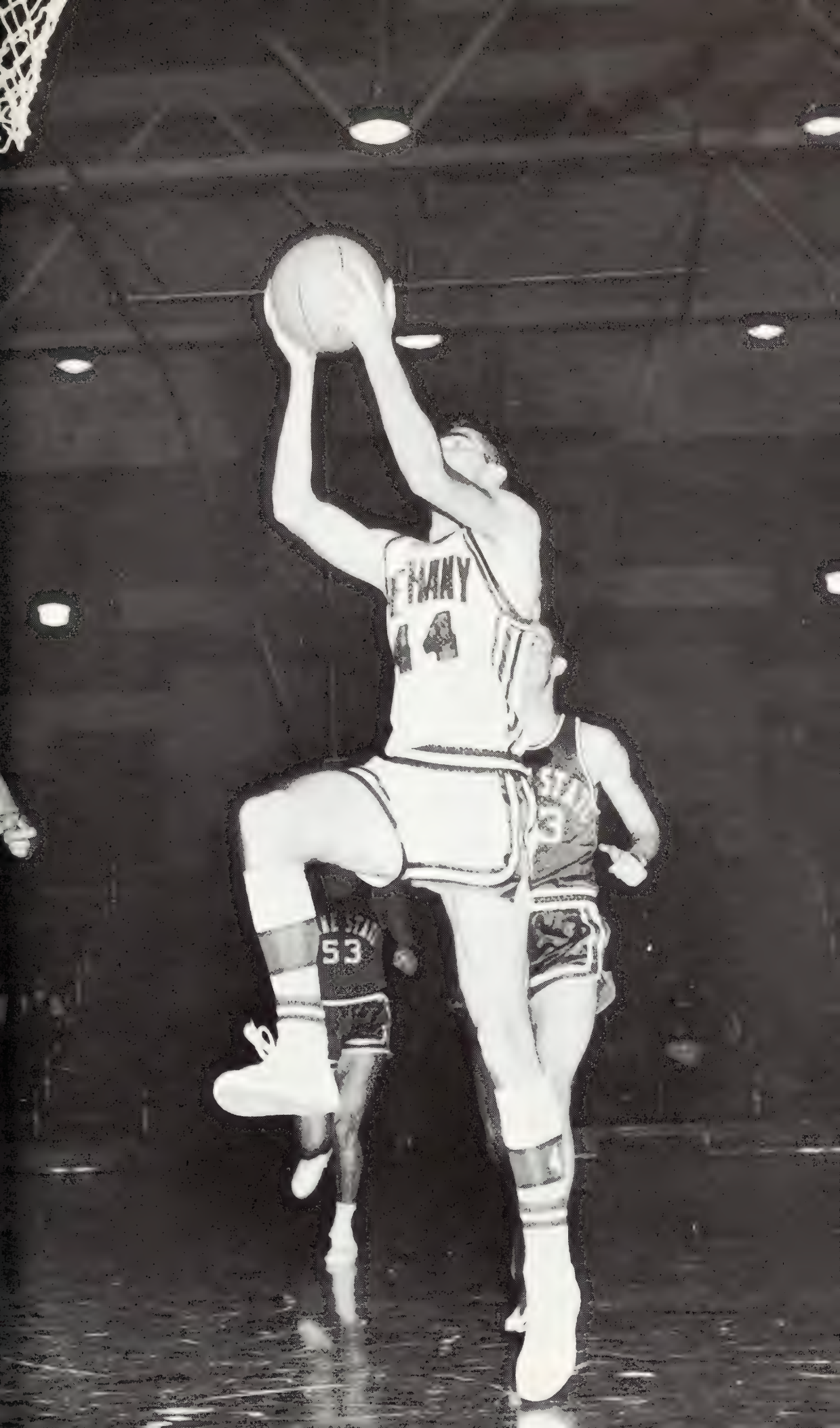
*Campbell Hall
for Men*

*Phillips Hall
for Women*





"Not every Bethanian is an athlete, but each one is as physically fit as his inventory of health will allow. The playing fields of Bethany bring victories to the battlefields of the world. Only the strong can climb the campus hills."





Oratorio Choir

"Creative interest in the fine arts with such knowledge as one needs to have a cultivated taste in what is truly beautiful, belong to a liberal curriculum."



Male Chorus



*Scene from
"The Crucible"*

'Music and painting, sculpture and drama, with a host of comparable media for enjoyment, are important.'



Scene from "Twelfth Night"



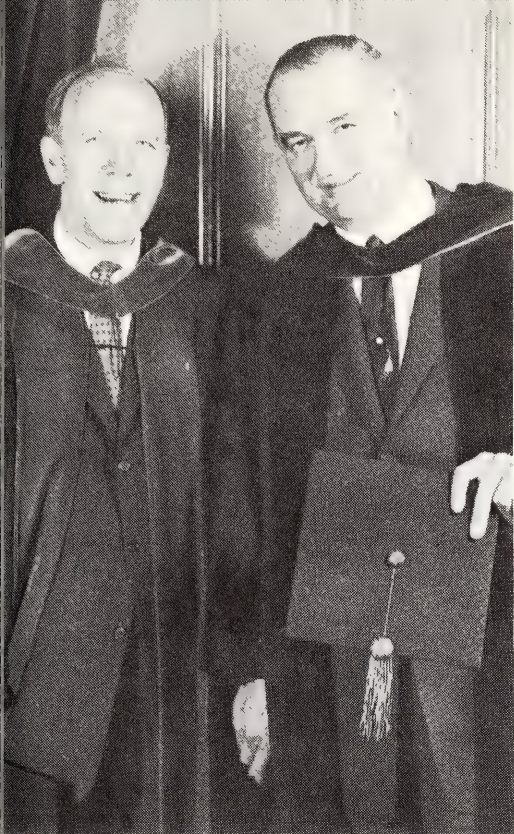
Individual Attention



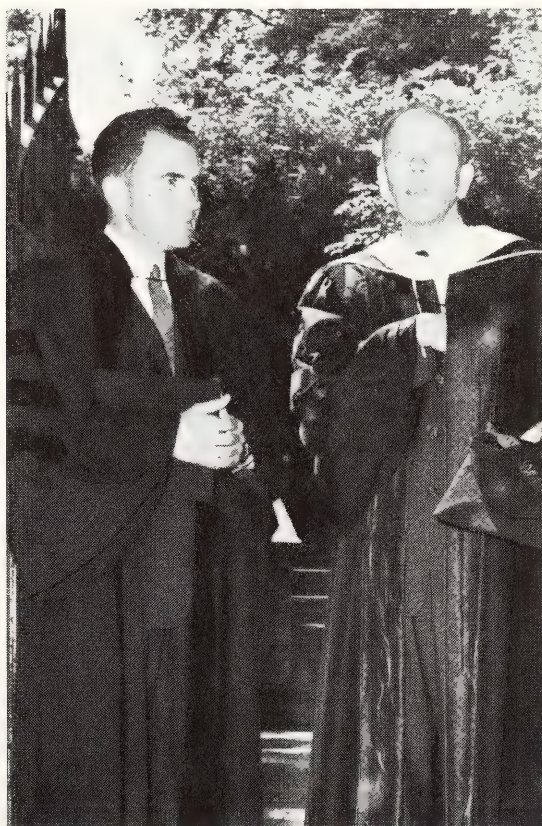
Small Classes

“The discipline of commun
is an effort to structure the
that promote mutual understa





"Enlightened participation in government and civic affairs is characteristic of a cultured man."





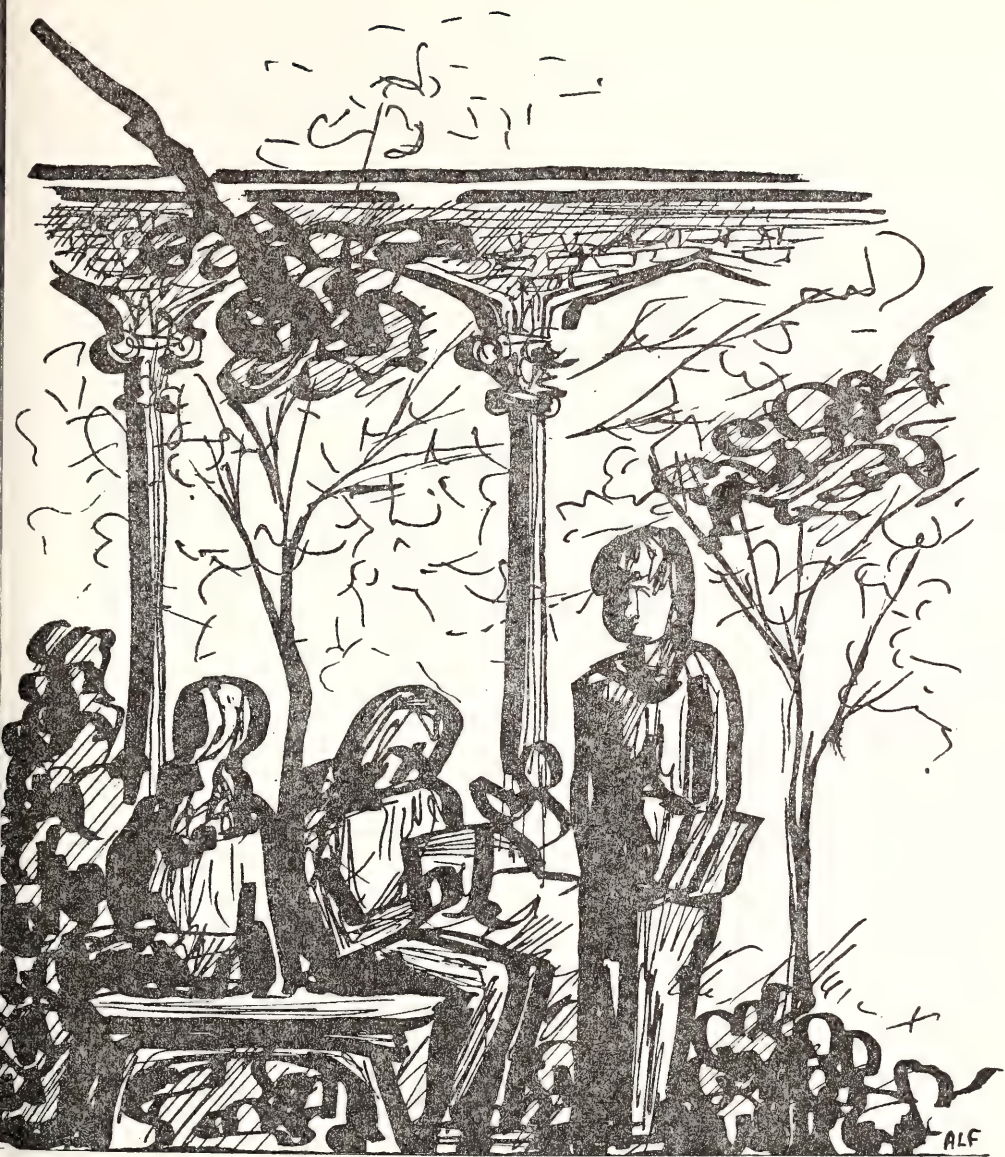




“Let her friends unite to extend her influence, encourage her faculties, inspire her students, and give witness to the truth she exemplifies and imparts.”



123rd Commencement



THE STUDENT



ADMISSION

BETHANY COLLEGE welcomes applications for admission from all those who consider themselves to be qualified and are sincere in their desire to enter the College. Admission is based on a careful review of all the credentials presented on behalf of the candidate and is on a competitive basis. The Committee on Admission and Academic Review accepts those it considers best qualified among those applying. In no case does the meeting of minimum standards assure admission.

Application for admission to the freshman class should be made to the Director of Admission, Bethany College, Bethany, West Virginia. A candidate should file his application as early as possible in the year in which he seeks admission, preferably before the completion of the first half of his final preparatory year. Decisions of the Committee on Admission and Academic Review are mailed to the applicant during January, February, March and April. Upon acceptance for admission, applicants are expected to make a non-refundable registration deposit of one hundred dollars within the period stipulated in the letter of admission.

CREDENTIALS FOR ADMISSION

PROGRAM OF SECONDARY SCHOOL STUDIES

A candidate for admission is expected to complete a secondary school course which gives preparation for the work of a liberal arts college. Fifteen units of academic (college preparatory) work must be presented. Although the College does not prescribe how these subjects shall be distributed, it expects a minimum of four years of English with the usual sequences in mathematics, science, foreign languages and social studies.

Applicants from public high schools should be in the upper half of their graduating classes. Candidates from private schools and other specialized schools should have college certifying grades in all subjects. Supplementary evidence in the form of College Board Achievement Tests may be required in some instances.

EXAMINATIONS

The College requires that all applicants take the Scholastic Aptitude Test of the College Entrance Examination Board. The test is given several times during the year at many centers throughout the world. Bethany will accept the scores from the examinations at any of the testing dates, but prefers the December or January administration of the test. Application forms for the test are usually

available at secondary schools, but they may also be secured by writing to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey.

INTERVIEW

Since Bethany is a small college and its members share a common life, the character and personal qualifications of students are of great importance. Every candidate should, therefore, have an interview if possible. Applicants who live near enough to Bethany to make the round trip in one day should arrange for an interview at the College.

The following visiting hours are suggested:

9:30-11:30 A.M.

Monday, Friday and Saturday

2:00-4:00 P.M.

Monday and Friday

Applicants living at a greater distance would profit greatly from an interview on the campus. However, if a trip to the College is not possible, an interview with an Admission officer when he is travelling in the applicant's vicinity may often be arranged.

REFERENCES

Three references from persons who know the applicant well are required. The Admission Office will write directly to the persons the applicant gives as references on his application blank.

HEALTH REQUIREMENTS

After the candidate's admission the parents and family physician will be asked to provide a medical history adequate for the understanding of any problems which arise. Each candidate must also provide evidence of having had a successful smallpox vaccination within a three year period prior to entrance.

EARLY DECISION PLAN

The Committee on Admission and Academic Review is willing to give consideration for early acceptance to any student whose first choice of colleges is Bethany. A candidate interested in applying for an early decision should submit all credentials during the summer following the junior year. *In addition, the candidate should write a letter to the Director of Admission requesting an early decision on the basis that Bethany is the applicant's first choice.* Applicants under the early decision plan are notified of

the action of the Committee on Admission and Academic Review during October and November of their senior year in secondary school. Applicants for early decision who are not accepted may be reconsidered in the spring on the usual admission program.

ADVANCED PLACEMENT AND ACHIEVEMENT TESTS

Entering freshman who pass the advanced placement tests, given in May by the College Entrance Examination Board, may, with the approval of the Committee on Admission and Academic Review and the department concerned, be admitted with advanced standing. They will be credited with the same number of hours towards graduation as if they had taken the corresponding courses at Bethany; they will have satisfied the equivalent parts of the graduation requirement; and they will be eligible for admission to more advanced courses in the departments concerned. Information about these tests can be obtained from the College Entrance Examination Board.

Programs of advanced placement other than that of the College Entrance Examination Board may be used when evaluated by the Bethany College faculty.

Any student who feels he is sufficiently well grounded in the subject matter of any of the prescribed courses for a baccalaureate degree or in any course in another area may make application to the Committee on Admission and Academic Review to take an achievement test. The application should state the achievement test which the student desires to take on the basis of his preparation for the specific test. If the results of this test indicate sufficient mastery of the subject the prescription may be waived. Passing the achievement test will not necessarily give credit in hours toward a degree, but if there is evidence of a high degree of mastery of the subject matter in the area in which the test was taken, with the approval of the Committee on Admission and Academic Review as well as the college faculty, the student may receive academic credit toward a degree.

ADVANCED STANDING BY TRANSFER

A limited number of students from other approved colleges may be admitted by action of the Committee on Admission and Academic Review. *All applications for admission from students for advanced standing must be accompanied by official certificates stating the nature and extent of college courses attempted or completed, and all disciplinary and academic items that belong to such a record.* Academic work ranked below "average" (grade C) will not be accepted. Not more than sixty-five hours will be allowed for courses completed in Junior College.

Some academic credit may be allowed for training courses and educational experiences in the Armed Forces according to the general pattern recommended by "A Guide to the Evaluation of Educational Experiences in the Armed Services" issued by the American Council on Education, provided such courses or experiences are appropriately related to a college of liberal arts and sciences.

A student transferring to Bethany cannot be granted a degree unless he has been in attendance at the College at least during his senior year.

UNCLASSIFIED STUDENTS

A very limited number of mature students who are not candidates for a degree may be admitted to the College as "unclassified students." Approval for such enrollment will be given only if the applicant can satisfy the Committee on Admission and Academic Review that he can pursue the courses with profit, that he has a serious purpose in mind, and that he can meet the general requirements as to health, character and mental ability.

The College may dismiss or suspend a student at any time when, in the sole discretion of the College, the best interests of the College or the student will be served thereby. Attendance at Bethany College shall be conclusive evidence of each student's acceptance of this principle.

COLLEGE COSTS

BETHANY COLLEGE is a non-profit institution. Tuition, fees and other general charges paid by the student cover less than two-thirds of the College's instructional and operating expenses. The balance needed to meet the instructional and general expenses of the College comes from income from endowment funds, and from gifts and contributions from alumni and friends of the College.

Charges in residence halls and dining rooms are planned to cover the actual cost of operating these facilities.

Bethany College has always been known as a college of moderate cost. It proposes to continue to keep the cost to the student as low as possible consistent with the maintenance of adequate facilities and competent instruction.

ESTIMATED EXPENSES FOR A SEMESTER

For essential campus expenses, exclusive of such personal items as clothes, travel and amusements, and books, a student should budget from \$1000 to \$1100 a semester, viz:

Tuition and fees	\$625.00
Room	\$125.00 to \$200.00
Board	\$250.00

The College is required to collect the West Virginia Sales Tax of 3% on published charges for room and board.

The College reserves the right to change the price for room and board without advance notice.

TUITION AND FEES

The tuition and fees charge for each semester is \$625.00 for eighteen credit hours or less. For each academic hour in excess of eighteen an additional charge of \$20.00 is made. Tuition for students carrying less than thirteen hours is \$48.00 per semester hour. No reduction is made in student accounts for course changes made after the first two weeks of the semester.

While a general charge is stated for Tuition and Fees, this may be divided into \$500.00 for tuition and \$125.00 covering activities and services as follows: Athletics, Health Service, Library, Lectures, Plays, Concerts, the Annual, the Student Activities and Laboratory services with the exception of Music and Practice Teaching.

APPLICATION FOR ADMISSION

All applications for admission should be made to the Admission office on forms supplied by the college. A non-refundable \$10.00 fee is required at the time formal application is presented.

APPLICATION FOR READMISSION

Students who have been previously enrolled in Bethany College who wish to return for additional college work must file an Application for Readmission with the Admission office. A \$5.00 fee is required at the time such application is presented.

REGISTRATION DEPOSIT

Upon acceptance for admission or readmission, a non-refundable registration deposit of \$100 is required of all students in accordance with instructions provided in the acceptance letter.

This deposit is applied to the student's account at the beginning of the final term prior to graduation.

Students not being graduated may have the deposit applied to their account the last term of their attendance if written notice is given to the Business Office prior to the advance enrollment date for the next regular term.

MATRICULATION FEE

This fee of \$10.00 is payable once by every new student. It covers, in part, the cost of orientation and evaluation procedures for new students.

WITHDRAWALS AND REFUNDS

A student wishing to withdraw from Bethany College must file written notice with the Registrar to qualify for refunds of deposits and adjustment of other charges.

In case a student withdraws from college during the semester, because of sickness or other causes entirely beyond his control, tuition and board are refunded on a pro rata basis figured from the end of the week in which withdrawal takes place. Students dismissed or requested to withdraw by the College are not entitled to any return of fees. Scholarships and grants are not applied on the accounts of students who withdraw before the end of the semester. Special fees are not refunded.

RESIDENCE FACILITIES

With the exception of commuters all students are required to live in college residences or fraternity houses unless excused by the Dean of Students.

The women's residences are Phillips Hall, Ivabell Harlan Hall and Morlan Hall with single, double and multiple occupancy accommodations available.

The men's residences are Campbell Hall, Cochran Hall, McEachern Hall and McLean Hall with single and double accommodations available.

There is also a Gateway Hall, a supplementary residence for upperclass students with single and double accommodations.

Students living in college operated residences are expected to furnish bed linen, blankets, bedspreads, pillow, towels, study lamps and rugs. They are expected to care for their own rooms and to keep them clean and in good order at all times.

LINEN SERVICE

For the convenience of the student there is available a commercial linen service, supplying at fixed fee per semester, sheets, pillow cases, and towels each week while the College is in session. Arrangements are made for this service by the students with the custodians of the college residences.

OPERATION OF COLLEGE HALLS

Room assignments in all college residences are made by the office of the Dean of Students and are for the academic year.

Residence halls will be open for freshmen for each semester the day before Freshman Week begins and for all other students the day before Registration Day. Residence halls will be closed and students are not expected to stay in Bethany when college is not in regular session.

Bethany College reserves all rights in connection with the assignment, termination of occupancy and reassignment of rooms in all residences.

FRATERNITY AND SORORITY HOUSES

Five national fraternities and four national sororities maintain active chapters on the Bethany campus and have residence accommodations for a limited number of members.

The maintenance of proper conduct and discipline in the five fraternity houses is a direct responsibility of the Dean of Students.

DINING HALLS

All resident students are required to eat in college dining halls unless excused by the Dean of Students. No refunds are granted for meals missed.

MISCELLANEOUS FEES

These fees are applicable for the specific course listed. They are charged only to students enrolled in such courses.

Education 443, 475, (each hour)\$ 6.00 per semester

MUSIC FEES

- Private Lessons, one lesson a week\$ 60.00 per semester
- Private Lessons, two lessons a week\$110.00 per semester
- Instrument Rental\$ 8.00 per semester
- Organ Practice, one hour each day\$ 30.00 per semester
- Piano Practice, one hour each day\$ 8.00 per semester

OTHER SPECIAL FEES

Application Fee for all new students	\$10.00
(This fee must be paid before any action is taken on application for admission)	
Application Fee for all former students	\$ 5.00
(This fee must be paid before any action is taken on application for re-admission)	
Registration Deposit (see page 39)	\$100.00
Auditing a course, per semester hour	\$20.00
(A student is not charged if he is paying regular tuition and fees and the total program, including the audit, does not exceed 18 hours)	
Comprehensive Examination	\$25.00
(For students not in residence or for special examination)	
Each academic hour when less than thirteen ..	\$48.00 per semester
Each academic hour in excess of eighteen	\$20.00 per semester
Each change in registration after registration day	\$ 2.00
Graduation Fee	\$15.00
Guidance and advisory service (pre-college)	\$10.00 to \$25.00
Health Insurance	\$9.00 per semester
Infirmary charge per day	\$ 4.00
(After first three days each semester)	
Late registration (per day)	\$ 3.00
Matriculation Fee	\$10.00
Special Examinations in any department or course	\$ 5.00
Special placement or achievement test in any department ..	\$ 5.00
Transcript fee for transcript or copy of academic record (After first issue)	\$ 1.50
Lock Deposit for Physical Education Courses	\$ 5.00
(Refunded if the lock or key is returned to Physical Education Department)	
Key Deposit for Dormitories	\$ 5.00
(Refunded if returned to Buildings and Grounds)	

BREAKAGE AND GUARANTEE DEPOSITS

These deposits are made to cover actual costs of special services materials.

Biology 230	\$ 7.00 per semester
Biology 343	\$ 5.00 per semester

Chemistry breakage and guarantee deposits are covered by a \$5 breakage card purchased by each student each semester for each laboratory course in which he is enrolled. In the event the breakage

is in excess of \$5 per course per semester, an additional \$5 break-age card must be purchased. Unused portions will be refunded at the end of each academic year.

BETHANY COLLEGE STUDENT DRAWING

The Business Office provides a limited banking service whereby students may deposit funds and draw on them as required. Either students or their parents may make deposits to the Student Drawing Account.

All checks must be made payable to the Bethany College Student Drawing Account.

The only charges for this service are the established rates of exchange for handling checks and its use is recommended. This avoids the necessity of the student keeping on hand any substantial amount of money.

PAYMENT OF STUDENT ACCOUNTS

At the time of registration an invoice is prepared for each student, listing all charges due the College for the following semester. Payments are due in accordance with the following:

First Semester

By September 1 a payment of\$500
Balance on account due November 1.

Second Semester

By January 15 a payment of\$500
Balance on account due March 15.

Scholarships and awards may not be used as credit against this requirement, however, completed loan agreements may be. All special student accounts for which total semester charges are \$500.00 or less are payable in full at registration.

Students will not be permitted to register if the initial payment requirements for each semester are not met, and they may be denied College privileges if subsequent payments are not completed as scheduled. *These requirements are in addition to the registration deposit.*

Checks or drafts should be written payable to Bethany College.

An account service fee of 2% per month will be charged on balances outstanding on all student accounts as of November 1 for the first semester and March 15 for the second semester. This fee will be entered on all accounts the day following the above dates and at 30-day intervals thereafter for a period not to exceed 90 days.

Students may not take final examinations, receive academic credit or obtain transcripts or grades until satisfactory arrangements are made to cover financial obligations.

MONTHLY PAYMENT PLANS

The College has made arrangements with the Insured Tuition Payment Plan, Education Funds, Inc., and The Tuition Plan, Inc. whereby student accounts may be paid on a monthly basis during the year. Arrangements to use any of these plans should be made prior to the registration period. Information concerning these may be obtained by writing to the Business Office, and contract forms may be obtained by writing the Insured Tuition Payment Plan, 38 Newbury Street, Boston 16, Massachusetts; Education Funds, Inc., 10 Dorrance Street, Providence 3, Rhode Island; The Tuition Plan, Inc., One Park Avenue, New York 16, New York. Contracts are to be completed by the parent or guardian of the student by direct negotiation with the payment plan offices indicated.

Please note that the College has no funds available for financing any program of deferred payments.

FINANCIAL AIDS

BETHANY COLLEGE provides limited financial assistance to promising and deserving students through scholarships and loans to the extent that designated funds permit. There are also limited opportunities for student employment.

Candidates for admission to the freshman class who wish to apply for any form of financial aid must submit the Family Financial Statement through the College Scholarship Service, Box 176, Princeton, New Jersey not later than March 1st. All necessary forms must be received by the Admission Office not later than March 15. No special examinations are required of financial aid applicants but candidates for scholarships must take the College Board Scholastic Aptitude Test not later than January of the year of college entrance, since no applicant will be considered for assistance until accepted for admission. College Scholarship Service forms will be available in secondary schools on October 1, 1964.

Upperclassmen should make application in writing to the Committee on Scholarships and Financial Aids before the end of the current academic year.

Financial aid cannot be given to all who apply, but students of ability who need assistance are encouraged to apply. So many students of genuine need and without other resources ask for help from the College that those who can obtain assistance from relatives or friends should do so. The Committee makes awards on the basis of academic accomplishments, constructive citizenship,

and financial need. Major awards include all three types of financial aid: scholarship, loan and employment. All awards are credited against college charges.

SCHOLARSHIPS

Bethany College recognizes promise and intellectual attainment by awarding a number of scholarships. These awards vary in value and are available to a limited number of entering students. Most scholarships are awarded to freshmen on a four-year basis, but they are subject to review and continuation or cancellation at the end of each year. They are continued from year to year only if the recipient has met the following conditions:

1. A satisfactory scholarship index.
2. Satisfactory deportment as a student.
3. Worthwhile contributions to the college program.
4. Constructive citizenship in the college community.
5. Payment of Student Accounts as scheduled.

LOAN FUNDS

The Phillips Loan Fund was established in 1890 by the gift of Thomas W. Phillips, Sr., of New Castle, Pennsylvania, in the amount of \$10,000. Principal and interest in this fund are lent to students preparing for the Christian Ministry.

The Claude Worthington Benedum Scholarship Loan Fund in the amount of \$28,500 was established by the Claude Worthington Benedum Foundation. Loans from this fund are made to Bethany students who are bona fide residents of West Virginia, are in need of financial aid, and meet requirements for such assistance as established by the faculty.

The National Defense Student Loan Fund. The Federal Government established in 1959 a loan program for undergraduate students in which Bethany College participates. First preference is given to outstanding applicants who intend to enter the fields of education, science or foreign language. Application information may be obtained from the Admission Office or the Business Office.

Applications for loans must be made to the Committee on Scholarships and Financial Aids.

STUDENT EMPLOYMENT

Limited opportunities for students to earn money for college expenses are afforded, but under no circumstances is it possible for a student to earn all of his expenses. The College may not be able

to provide student employment of any kind beyond \$200 as a total for any one year.

Applications for student employment must be filed on a proper form. A careful study of the student's needs and general welfare will be made by the committee caring for student employment as each application is considered. Applications for student employment should be filed with the Dean of Students.

MINISTERIAL TRAINING AWARDS

Students who are preparing for a church vocation in the fields of ministry, religious education, missions, etc., may be able to receive financial aid through grants that are made possible by contributions from churches and individuals. This program is under the supervision of the Director of Ministerial Training. It is provided primarily for those who are preparing for a church vocation with the Christian Churches (Disciples of Christ). Some financial assistance is available to those preparing for this type of service with other religious groups. Continuation of these awards requires satisfactory academic performance in each academic year.

THE GANS FUND AWARDS

A fund of \$50,000, established by Wickliffe Campbell Gans of the Class of 1870 and Emmett W. Gans, in memory of their father and mother, Daniel L. and Margaret Gordon Gans, the income of which is to be awarded to juniors and seniors at Bethany College and to graduates of Bethany College engaged in study and research at Bethany or elsewhere who have shown "evidence of merit and promise in the field of science." Funds so awarded will be available for approved study and research in some specific field.

SCHOLARSHIP FUNDS

The College recognizes, with appreciation, the gifts of specially designated funds which not only provide lasting memorials for individuals and families, but also make possible scholarship grants to undergraduates who otherwise would find it difficult to remain in college.

The following scholarships have been especially designated by friends of the College and are part of the total resources available for financial aid to students:

Mary A. Morrison Scholarship—This is a scholarship covering part of the cost of tuition.

Isaac Mills Scholarship—This scholarship covers a part of the tuition charge of a ministerial student.

G. A. Willett Scholarship—This scholarship of \$80 per semester applies on tuition. The student receiving this scholarship is to be nominated by a member of the Willett family.

Isaac Brown Scholarship—This scholarship provides \$30 per year to apply on tuition.

Albert C. Israel Scholarship—This scholarship yields \$20 per year to apply on tuition of a descendant of Albert C. Israel.

Jennie I. Hayes Scholarship—The income from a fund of \$5,000 is awarded for the purpose of helping students who are preparing for the mission field or the ministry. The students who receive the benefits of this scholarship may be nominated by the donor.

Ida M. Irvin Scholarship—The income from a fund of \$5,000 is awarded to students who have reached the senior year in their college course.

Herbert Moninger Scholarship—A scholarship fund of \$2,500 established in memory of Mr. Herbert Moninger, a graduate of the class of 1898. The income is used to aid a student or students preparing for religious education.

Josiah Wilson Scholarship—A scholarship fund in the amount of \$2,576 established by Josiah N. Wilson in memory of Josiah N. and Wilminia S. Wilson. The income is used to aid a student or students preparing for the Christian ministry.

The John H. and Ida H. King Scholarship Fund—The income from a fund of \$18,292 is awarded to students at Bethany College under terms approved by the Trustees of the College in accordance with the will of the donors.

M. M. Cochran Scholarship—Scholarships covering a part of the tuition charge.

Minnie W. Schaefer Awards—The income from this fund of \$8,350 is awarded to a student or students preparing for definite Christian service.

J. T. Smith Awards—A fund of \$17,417 established by Mr. J. T. Smith of Memphis, Tennessee, the income of which is available for students preparing for the Christian ministry or some other form of Christian service.

William Kimbrough Pendleton Scholarship Fund—A fund of \$20,000 set up by Clarinda Pendleton Lamar in memory of her father, William Kimbrough Pendleton, member of the first faculty

and second president of the College (1866-1889), the income of which is available each year to one or more citizens of West Virginia. These awards may be in the form of loans or out-right gifts as determined by the Committee on Scholarships and Financial Aids.

Vinson Memorial Fund—A fund of \$1,600 established by Z. T. Vinson, of the Class of 1878, through the Central Christian Church of Huntington, West Virginia, the income from which is available to students preparing for the Christian ministry.

Florence M. Hoagland Memorial Scholarship—A fund of \$5,165 established by Miss Frances Cables of Woodstock, New Hampshire, for the establishment of a scholarship in memory of Florence M. Hoagland, Head of the Department of English and Advisor for Women at Bethany from 1936 to 1946, the income of which is available to students approved by the Committee on Scholarships and Financial Aids.

Perry Scholarship Fund—A fund of \$11,928 established in memory of Professor and Mrs. E. Lee Perry. Professor Perry was a graduate of the College in the Class of 1893, Professor of Latin at the College from 1908 to 1939 and Professor Emeritus from 1939 to 1948. Under the terms of this gift, the income of this fund is to be used to aid students preparing for the Christian ministry.

William H. Vodrey Scholarship—A fund of \$28,314 established by Mr. William H. Vodrey, a member of the Class of 1894, the income of which is to be used to assist a student or students from the area around East Liverpool, Ohio.

Arthur C. Stifel Scholarship—A fund of \$30,213 established by Mr. and Mrs. Arthur C. Stifel of Wheeling, the income from which is to be used to assist a student or students from the Wheeling area.

Newton W. and Bessie Evans Scholarship Fund—A fund of \$5,000 established by Mr. Newton W. Evans, the income from which is to be used to assist worthy students in furthering their education at Bethany College.

The Oreon E. Scott Foundation Scholarships—A grant from the Trustees of the Oreon E. Scott Foundation provides scholarships covering part of the tuition costs for the junior and senior year to those students preparing for the Christian ministry who have the highest scholarship index for prior years.

Campbell Allen Harlan Scholarship—A fund of \$17,000 established by Mr. Campbell Allen Harlan of Detroit, Michigan, the income from which is to be used to assist students of unusual ability in the fine arts to further their education at Bethany College.

Perry and Aleece Gresham Scholarship—A fund of \$6,425 established by Detroit friends as a gift to Dr. and Mrs. Perry Epler Gresham in appreciation of his ministry at Central Woodward Christian Church. The income from this fund is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Greensburg Area Scholarship Fund—A fund of \$20,429 established anonymously in 1953, the income from which is to be used to assist students of ability and need, from the Greensburg, Pennsylvania, area to attend Bethany College.

Patrick A. and Elizabeth Berry Scholarship Fund—A fund of \$5,000 established by Miss Sara Cameron, the income from which is to be used to assist students of ability and need, from the Counties of Homes and Knox in the State of Ohio, whenever possible.

Forrest H. Kirkpatrick Scholarship—The income from a fund of \$10,623 is awarded for the purpose of helping students who are sons or daughters of alumni.

Irene O. Darnall Scholarship—A fund of \$3,275 established by Irene O. Darnall, the income from which is to be used to assist needy and worthy students of Bethany College.

Lotta A. Calkins Scholarship—A fund of \$21,045 established by Lotta A. Calkins, the income from which is to be used to assist needy and worthy students who are preparing for full time Christian service in ministry and missions.

John E. Sugden, Jr. Fund—A fund of \$2,000 to render assistance in the forms of loans and grants to students who are preparing to become ministers of the Christian Church.

Marion and Frank Dunn Scholarship—A fund of \$2,050 the income from which is to assist worthy and eligible students designated by the Committee on Scholarships and Financial Aids.

Harry L. Ice Timothy Ministerial Endowment Fund—A revocable trust producing an annual income of approximately \$1,600 established by Mr. and Mrs. Robert H. Lee of Pittsburgh, Pennsylvania, honoring Dr. and Mrs. Ice in recognition to Dr. Ice for his highly productive and untiring work in establishing and building the "Timothy Ministerial Training Program." The income from this trust is to be used to assist students of ability and need who are preparing for full-time Christian service in the fields of ministry, religious education, missions, and other church vocations.

A. Dale Fiers Ministerial Athletic Scholarship—An annual award of \$100.00 to recognize and encourage the scholastic and

athletic skill of an outstanding upperclassman preparing for the Christian ministry.

The Parsons Memorial Timothy Fund—An initial fund of \$10,000 established by the Heights Christian Church, Shaker Heights, Ohio, and other friends in memory of Dorothy and Waymon Parsons for dedicated leadership to this church and the Brotherhood of Christian Churches (Disciples of Christ). Income from this fund is to be used to assist worthy students who are preparing for a church vocation through the ministry, missions, or Christian education.

Mr. and Mrs. Earl B. Brink Scholarship—A fund of \$1,000, the income from which is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Thomas J. Boyd—A fund of \$1,000, the income from which is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

National Campbell Scholarship—An endowment fund established in memory and honor of Alexander Campbell. Awards are in recognition of Christian service and academic accomplishment to develop able and dedicated lay leadership in the Christian Church. Nomination for these awards is made by the local minister and the awards are granted by the Committee on Scholarships and Financial Aids.

Rhodes Scholarships—Men who have completed their sophomore year at Bethany are eligible to compete for the Cecil Rhodes Scholarship, tenable for three years at Oxford University, England. These scholarships are awarded on the basis of character, scholarship, athletic ability, and leadership, in extra-curricular activities. Further information may be obtained from the Dean of Students.

Departmental Fellowships—Certain members of the junior class are designated as Senior Fellows for the following year. The selection is made only of Students who have attained unusual excellence in their major study and who, by character and ability, can do special work in a department as an assistant in instruction and research. The Senior Fellowship carries a small stipend. No more than six Senior Fellowships are awarded in any one year. The selection of Senior Fellows is made by the Committee on Honors from the nominations of the department heads.

Foreign Exchange Fellowships—Each year at least two students direct from foreign countries come to Bethany to study on fellowships provided by the college administration. These students come to interpret their own people and their national culture to American student life. These awards are made only to students who are recommended by the Institute of International Education.

STUDENT ORGANIZATIONS AND ACTIVITIES

A CAMPUS LIFE rich with many and varied undergraduate interests is generally recognized as one of the advantages of Bethany. Such a personal enrichment grows naturally out of the friendly relationships between students and faculty and offers an opportunity for the expression of the desires of the individual student.

STUDENT GOVERNMENT

The government and direction of student interests and student activities are the joint responsibility of the Faculty and Administration of the College and the Student Board of Governors. The Student Board of Governors is elected by the student body and cooperates with the College Administration and Faculty in developing an intelligent appreciation of responsible participation in the college community life.

The Association of Women Students, of which every woman student is automatically a member upon her entrance into college, gives the college woman a better opportunity for experience in leadership and for sharing with the College the responsibility for her conduct.

RELIGIOUS LIFE

One of the expressed aims of the College is "To provide higher education in an atmosphere sympathetic to Christian ideals and Christian faith and to conserve and develop the moral character and religious life of its students." The aim is meant to bear upon instruction, counseling, and social life as well as formal religious services.

Some of the student assemblies on Thursday of each week are designed as Religious Chapel. Attendance is obligatory for all students. The Chapel Services are planned by a committee of faculty and students. The program consists of a brief devotional service and a short address on some vital religious matter.

Every effort is made to make these Chapel services non-sectarian and non-denominational. Representatives of the Christian and Jewish faiths are included among the visiting speakers. The devotional services make use of materials from many religious traditions.

STUDENT MEMBERSHIP

Many of the students at Bethany College find an opportunity for expression of their religious faith in the Bethany Memorial Church. Any student who is a member of a church in his home community is eligible for student membership. Student affiliation at Bethany in no way alters membership with the student's home church.

The program for students at the church includes a College Class for Bible study and group discussion on religious themes, and morning worship each Sunday morning.

The minister of the Bethany Memorial Church, who is also the College Chaplain, is available to students for counseling and advice on personal and religious matters.

CAMPUS RELIGIOUS PROGRAM

The interdenominational campus religious program administered by the Office of the Chaplain is called "Encounter." Encounter consists of four main divisions: the church and worship, the church and contemporary arts, the church and society, and the church and thought. Each division consists of two faculty advisors and from 10 to 15 students representing a cross-section of the student body. Vesper services are planned once each month and a special campus discussion program is offered once each month. Encounter involves not only discussion of religious issues, but also provides opportunity for actual service projects and field trips to various areas of social unrest and change. All interested students are invited to participate in this program.

CHRISTIAN LIVING EMPHASIS WEEK

Christian Living Emphasis Week, more familiarly known as CLEW, is planned and directed by a Campus Committee of students and faculty. CLEW brings to the campus nationally known leaders of various beliefs. Chapel services, class periods, residence halls, fraternity and sorority houses are thrown open to these leaders in an effort to convince each student of the importance of religion in life. Special "bull sessions," discussion groups, and personal conferences are also a part of the program.

LENTEN DEVOTIONALS

A student committee of representatives from "Encounter" plans and presents a series of noon-day devotional services throughout the week before Easter. Music, art, devotional materials, and drama are used to provide a background for a personal experience of worship.

COURSE IN BIBLICAL RELIGION

A six-hour course required of all students includes a survey of the Bible and an introduction to contemporary religious bodies in America, with attention to the religious movement which gave Bethany College its origin and continuing relationships. The Bible has been a textbook at Bethany since its founding.

MINISTERIAL ASSOCIATION

Students who are preparing for a life work in the Christian Ministry or missionary service or religious education are invited to become members of the Ministerial Association. Meetings are held throughout the college year, in which matters relating to the field of Christian service and the church are discussed.

CHURCH CHOIR

The church choir sings each Sunday morning at the Bethany Memorial Church and functions as a community church organization in co-operation with the general work of the congregation. Non-restricted as to size; membership by audition.

MUSIC

CONCERT CHOIR

A select choir of not more than forty mixed voices which presents concert performances on campus and goes on tour each spring. The repertoire consists primarily of serious, rather difficult works, sacred and secular, of all periods. There is opportunity within the choir for the formation of smaller ensembles to cultivate special types of repertoire, e.g. madrigals. The choir also cooperates with the Drama Department in the production of one light opera each year.

MALE CHORUS

A chorus of thirty-six select voices. The repertoire is quite varied with emphasis on serious works. There is usually a spring tour of high schools and churches.

ORATORIO CHORUS

A large combined choir presents the annual Christmas performance of Handel's "The Messiah," and one larger work during the spring semester.

SYMPHONY ORCHESTRA

Newly formed in 1960, the orchestra is open to all who can qualify. Emphasis is on standard symphonic repertoire, developing reading ability, and pre-professional ensemble playing.

COLLEGE BAND

Members of the orchestra and other ensembles join forces to act as a pep band in football season and for special occasions.

BRASS CHOIR

Appears in formal convocations, in concert, and in the spring gives Sunday afternoon Tower concerts featuring Baroque music. Open to qualified players by audition as vacancies occur.

CHAMBER MUSIC

Woodwind quintets, string quartets, and smaller ensembles are open to all who play orchestral instruments.

WHEELING SYMPHONY

There is opportunity for proficient orchestral musicians, especially string players, to play in the Wheeling Symphony, a fine orchestra with very high standards of performance. To be admitted into the orchestra, one must audition with the Symphony's director.

DRAMA

The Theater of the College offers experience to students with dramatic talent in the writing and producing of plays. Several plays are presented during the year. The work is correlated with the courses in Play Direction and Production and in Acting, under the supervision of the Department of Speech and Drama. Every effort is made to give this work a distinctly educational value both to performers and to audiences. Practically any student with an interest in dramatics may become a member of the campus dramatic club, Sock and Buskin.

ATHLETICS AND RECREATION

Intercollegiate athletics are considered an integral part of the Physical Education program, and are promoted to furnish those students who possess a high degree of skill in a variety of physical activities an opportunity to compete with students from other

institutions with similar standards. Through such competition students should develop confidence, perseverance, courage, emotional control and a spirit of competition.

Intercollegiate sports at Bethany College include football, basketball, baseball, track, tennis, golf, cross country, and swimming. Membership is held in the Presidents' Athletic Conference, which includes the following schools: Allegheny, Thiel, and Washington and Jefferson colleges in western Pennsylvania; Case Institute of Technology, Western Reserve, and John Carroll universities in Ohio; Eastern Michigan State, and Wayne State universities in Michigan.

Healthful athletic recreation is provided for the entire student body by an intramural program which includes a complete schedule of team sports. This program is supervised by the Director of Intramural Athletics, a member of the staff in the Department of Physical Education.

The Women's Recreation Association encourages the participation of all women in a program of physical education and recreation. Facilities are provided for basketball, volley ball, tennis, hockey, speedball, swimming, and archery. The W. R. A. sponsors an invitational Play Day for students of area high schools and in addition, is host to delegations from tri-state colleges several times during the college year.

PUBLICATIONS

The college publications consist of a weekly newspaper (the *Bethany Tower*), the college year book (the *Bethanian*), the *Student Handbook*, and *The Literary Harbinger*. These publications are edited and published under the supervision of the Board of Publications. The Departments of Journalism and English provide professional guidance.

FRATERNITIES

Nine national social fraternities and sororities have active chapters at Bethany College.

The fraternities for men are: Alpha Sigma Phi, Beta Theta Pi, Kappa Alpha, Phi Kappa Tau, and Sigma Nu. The sororities for women are: Alpha Xi Delta, Kappa Delta, Phi Mu, and Zeta Tau Alpha.

The Inter-Fraternity Council, composed of representatives from each of the fraternity chapters, acts as the coordinating agency in fraternity affairs and activities. The Pan-Hellenic Board directs the activities and "rushing" season for the sorority chapters.

INITIATION

Students shall not be initiated into any fraternity or sorority until they have completed fifteen hours of resident academic work.

For pledging or initiation, a student must be in good standing with respect to college financial obligations as well as in good standing at the college both academically and socially.

CLUBS AND ASSOCIATIONS

Several active clubs and societies are sponsored by various departments in the college. The nature of the French Club, Sociology Club, Chemistry Club, German Club, Spanish Club, Economics Club, International Relations Club, and Psychology Club is explained by their titles. Papers dealing with appropriate topics are presented by students, faculty members and out-of-town speakers.

Young men and women of the student body preparing for full time Christian Service are eligible for membership in the Ministerial Association.

The H. T. McKinney Chapter of the Student National Education Association was chartered at the college in the fall of 1942.

A chapter of Student Affiliates of the American Chemical Society was founded at Bethany in 1948.

RECOGNITION OF STUDENT ACHIEVEMENT

BETHANY COLLEGE undertakes to encourage superior achievement in scholarship and outstanding leadership in student affairs by public recognition at Commencement, on Honors Day and on other suitable occasions.

GRADUATION HONORS

Students who have done academic work of unusual merit will be graduated with honors, viz., Summa Cum Laude, Magna Cum Laude or Cum Laude. The awarding of honors is determined upon the basis of total quality points earned, standing in the Senior Comprehensive Examination, and the recommendation of the Senior Counselor in charge of the student's field of concentration.

Students who make an unusual record on the Senior Comprehensive Examination are listed at graduation as having "Passed With Distinction."

CLASS HONORS

Upper division students of the College who complete the academic work of any one year with a scholarship index of 3.50 are

recognized for "First Honors" for the year, and those who complete the academic work of any year with a scholarship index of 3.25 are recognized for "Second Honors" for the year. Lower division students of the College who complete the academic work of any one year with a scholarship index of 3.25 are recognized for "First Honors" for the year, and those who complete the academic work of any one year with a point average of 3.00 are recognized for "Second Honors" for the year.

SEMESTER HONORS LIST

At the end of each semester, a list of students who have rated high in academic attainments as attested by scholarship index are designated as "Students Distinguished in Scholarship." This distinction is determined by the Committee on Honors.

SENIOR FELLOWSHIPS

Certain members of the junior class may be designated as Senior Fellows for the following year. The selection is made only of students who have attained unusual excellence in their Field of Concentration and who, by character and ability, can do special work in a department as an assistant in instruction or research. No more than six senior fellowships are awarded in any one year. The selection of Senior Fellows is made by the Committee on Honors from the nominations of the department heads.

HONORARY ORGANIZATIONS

Gamma Sigma Kappa is the honorary scholastic fraternity founded at Bethany College in 1932. Students maintaining a scholarship index of 3.25 for four consecutive semesters, provided that in no semester their scholarship index falls below an average of 3.00, are, upon recommendation by the faculty Committee on Honors, eligible for membership.

Bethany Kalon is an honor society established in 1948 to give recognition to students who have demonstrated competent and unselfish leadership in student activities, have been constructive citizens of the college community, and have maintained high standards of personal character. It is open only to juniors and seniors. Selection is made by the members of the society with the advice and approval of the Committee on Honors.

The West Virginia Delta Chapter of Pi Gamma Mu is an honorary social studies fraternity. Students maintaining a high scholarship index in twenty semester hours of social studies are eligible for membership.

Alpha Phi Chapter of Beta Beta Beta is an honorary society for students of the biological sciences. Its purpose is to stimulate sound scholarship, to promote the dissemination of scientific truth, and to encourage investigation in the life sciences.

Iota Theta Chapter of Sigma Tau Delta is an honorary English fraternity. Membership is limited to students who have maintained a scholarship index of 3.2 in 15 semester hours of English and a total scholarship index of 2.8.

Tau Chapter of Omicron Delta Epsilon, National Honor Society in Economics, was established at Bethany College in December, 1960. Membership is limited to students of at least Junior standing, who have completed twelve or more semester hours of courses in Economics with an average of B plus or higher, and whose grade average in all courses is at least B.

Beta Gamma of Alpha Psi Omega is a national recognition society in dramatics. Students qualify by faithful work in playing a certain number of major and minor roles in the plays presented on campus. Provision is also made for crediting other kinds of dramatic work on the technical and business side of play production as equivalent to major and minor roles.

Pi Delta Epsilon is a national recognition society in journalism. Its purpose is to elevate the cause of journalism, to develop the truest fraternal spirit among its members, to encourage loyalty to alma mater, and to reward the journalist for his efforts, service, and accomplishments by admission to its membership.

AWARDS

The Oreon E. Scott Award is made each year to the graduating senior who has achieved the highest academic record over the four-year period. The donor of this award was a Bethany graduate of the Class of 1892.

The Anna Ruth Bourne Award is planned to stimulate scholarship among the women's social groups. This is a silver cup, provided by an anonymous donor, awarded to the active and bona fide women's social group whose active membership earned the highest scholarship standing each semester. The group winning the cup for four semesters is presented with a smaller replica as a permanent trophy.

The W. Kirk Woolery Award is offered to encourage scholarship among the men's social groups. This is a silver cup, donated by friends of the late Dr. Woolery who was Dean and Provost of the college. This cup shall be held by the active and bona fide men's social group whose active membership earned the highest scholarship standing during the preceding semester. Any group winning the cup for four semesters will be presented with a smaller replica as a permanent trophy.

The Outstanding Junior Woman Award is provided by the Pittsburgh Bethany College Club, comprising the college alumnae

of Pittsburgh. This award is based on qualities of leadership, character, conduct, and scholarship. The club has placed a suitable plaque in Phillips Hall on which the names of the winners are engraved. In addition, an individual gift is made each year to the person designated.

The W. F. Kennedy Prize is given each year to the outstanding young man in the junior class. This award, established by Mr. W. F. Kennedy of Wheeling, West Virginia, is awarded on the basis of his contribution to the college community life through leadership in activities, personal character, and scholarship.

The Freshman Writing Award is open to all Bethany freshmen and is judged on the merit of three types of writing: the essay, the short story, and poetry. The judging of the contest is under the direction of the Department of English.

The Shirley Morris Memorial Award, established by Theta chapter of Zeta Tau Alpha, in memory of Shirley Morris, a loyal member and past president of the chapter, is given annually to the outstanding student in the field of modern languages. Selection is made by the Modern Language Department of Bethany College.

The Beta Beta Beta Award, established by an anonymous donor, is an annual award made to the senior student majoring in Biology who has attained the highest academic rank in this field of concentration.

The Florence Hoagland Memorial Award, given by a graduate of the Class of 1944, is presented each year to the outstanding English major in the graduating class. The award honors the memory of the late Miss Hoagland, who was for many years Professor of English at Bethany.

The Cammie Pendleton Awards, named in honor of Miss A. Campbellina Pendleton, Professor of Language and Literature of Bethany from 1884 to 1909, are presented annually to the outstanding junior and sophomore majoring in English. The awards are given by Dwight B. MacCormack, Jr., of the class of 1956, in memory of his grandmother, Dr. T. Marion MacCormack.

The Sigma Tau Delta Prize in English, given by a member of the class of 1950, is presented each year at Commencement to the English major who has attained the second highest rank in English.

The E. E. Roberts Distinguished Prize in Campus Journalism, is awarded annually to an outstanding student who excels in work on a student publication, academic work in the Department of Journalism, or both.

STUDENT HEALTH

THE COLLEGE recognizes its responsibility for the physical well being of its students and undertakes to provide adequate facilities and procedures to safeguard their health. Attention is given to the prevention of illness or accidents as well as to treatment and cure.

THE COLLEGE INFIRMARY

The College Infirmary, in charge of the College Nurse and her assistants, is open while the College is in session. It includes the physician's office, dispensary, treatment rooms, medicine room, and wards for men and women.

The College Physician is at the infirmary each day for consultation, examination, and treatment without charge. Students may not call or request nursing services outside the infirmary.

DISPENSARY

Each student is expected to report any illness to the college dispensary. The Head of Residence in any college facility should be advised at once if a student is ill and unable to report to the dispensary. In the event of contagious or infectious disease, students will be expected to observe all regulations which may be prescribed by the college officers or public health officials.

Arrangements can be made for vaccinations, cold serums and special treatments at the college dispensary. No extensive medical or surgical procedures are carried out at the infirmary, but all minor ailments will be cared for, and some medicines will be supplied.

EXAMINATION AND TREATMENT

All students registering for the first time at Bethany are advised to bring a record of a recent and thorough physical examination by their family physician. Those who have not done so will be examined by the College Physician and may be required to follow his recommendations.

When medical care is needed outside the infirmary, advisory assistance in securing outside services will be given but the expense of such treatment must be paid by the student.

Students are free to employ either the College Physician or a physician of their own choice in any case of illness. Well-trained physicians are available in Wellsburg and Wheeling.

HEALTH COURSE

Instruction in health is offered in the classroom. A course in personal hygiene or its equivalent (Biol. 101) is required of all students, preferably in the freshman and sophomore years.

INFIRMARY CARE

In case of need, each student is entitled to three days per semester of resident care in the infirmary with no additional charge. The cost of this service is covered by a portion of the General Fee. For periods in excess of this time, a charge of \$4.00 per day is made. Students not boarding in college dining halls will be charged \$4.00 per day for board during the period of hospitalization, beginning with the first day of admission to the Infirmary.

STUDENT HEALTH INSURANCE

The Student Health Service is not designed to cover accidents or serious illness requiring special medicine or surgical treatment or hospitalization. The College therefore makes available to its students and their parents medical, surgical and hospitalization insurance to afford reasonable protection for those cases which exceed the benefits and services extended by the College Infirmary. The cost is \$9.00 per semester, and will be included in the College invoice, unless the appropriate waiver is forwarded to the Business Office as specified.

GENERAL STUDENT REGULATIONS

The College expects all students to be responsible citizens. The regulations of the College are for the protection of the rights of all members of the College community. Students who do not accept the necessity of responsible action or are antagonistic toward the spirit and purposes of the College may be dismissed or requested to leave at any time.

The men and women of the College live under conditions intended to provide a pleasant and wholesome social life and a reasonable amount of social recreation is encouraged. Such diversions, however, may be restricted to limits considered favorable to the total welfare of the students. In the administration of regulations and policies, the college officers will be guided in the treatment of individual cases somewhat by the general attitude of the student toward the College, i.e., whether or not he has proved himself a creditable member of the college community, as shown by regularity in attendance at classes, promptness in the fulfillment of obligations, earnestness in endeavor to profit by the college opportunities and an evident awareness and practice of high standards of social and moral conduct.

Bethany College has always been opposed to the use of intoxicating liquors. This policy should be understood and accepted by every matriculant.

No student may bring, keep or drink alcoholic beverages on the campus, in a college dormitory or at a local rooming house. Students are required to refrain from the use of alcoholic beverages

at any and all college or social club functions and on all occasions when they are representing the college. A student who violates these regulations or who conducts himself in a manner prejudicial to the best interest of the college while off the campus will be subject to disciplinary action.

The whole record of each student will be surveyed at the end of each semester with reference to his conduct in the community as well as his academic attainments. If the student's conduct over the past semester has been unsatisfactory and seems likely to remain so, the administration will consider whether the student is justifying his candidacy for a college degree at Bethany. *Students who do not show promise of academic accomplishment or fail to be good citizens will not be allowed to continue. It is expected that a student who earns credits at Bethany College must satisfy the faculty as to uprightness of character as well as accomplishment in scholarship.*

The Dean of Women is in charge of the general supervision of the college women, with the direct responsibility for regulation of their social life, residence and social privileges, and out of town privileges. Each residence hall for women is presided over by a house hostess or a faculty resident.

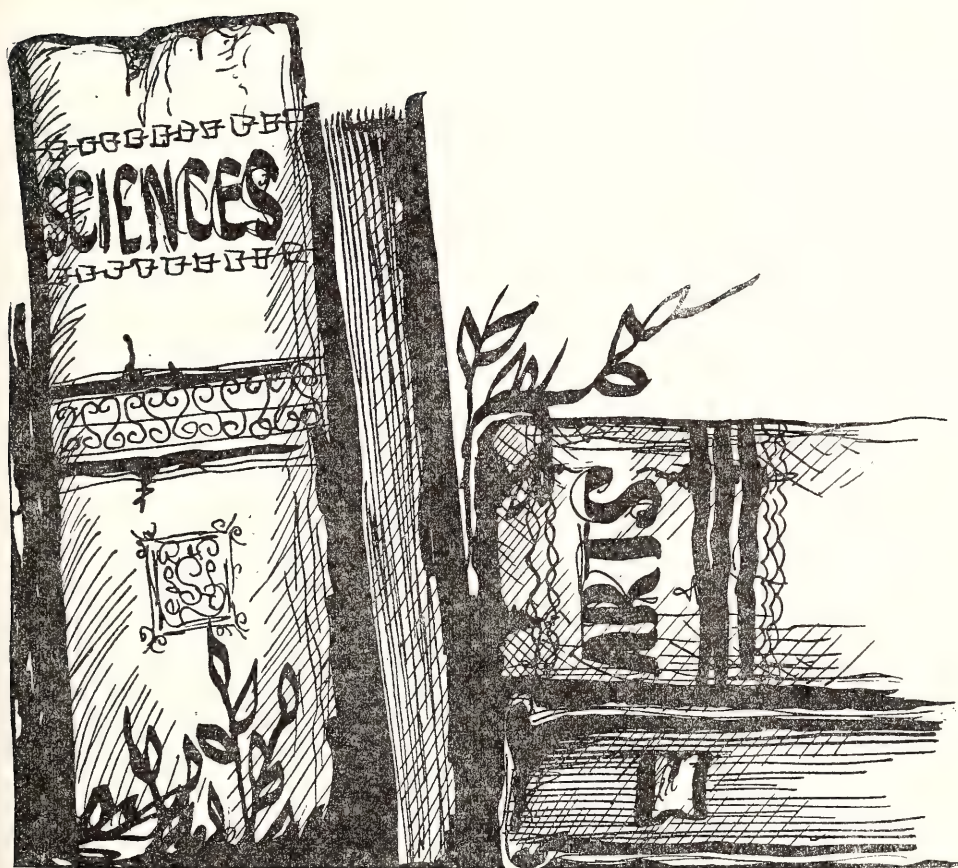
No student will be permitted to reside or board in any place which has not been listed as "approved" by the Office of the Dean of Students. Fraternity and sorority houses, private dwellings and rooms in residence halls where students are living, must at all times be open for inspection and appraisal as to influences and conditions relating to morals, health and social culture.

AUTOMOBILES

When students are admitted to Bethany College, the College assumes that they have attained a certain maturity with respect to personal and social responsibility. Today the automobile is a possession common to most households. Students of the College are permitted to maintain and operate automobiles at Bethany if they meet certain rigid regulations set up by the College. A student must have written permission of parent or guardian and automobile insurance coverage as stipulated by the College. He must not only maintain a scholastic average of at least 2.25 but also demonstrate those qualities which make him a responsible citizen of the Bethany community.

Freshmen are not permitted to bring automobiles to Bethany. The freshman year may be difficult because many social and academic adjustments have to be made. Therefore an automobile cannot be brought to Bethany until the student has shown that he can manage himself and his college relationships in a capable way.

Application forms and complete information governing the maintenance and use of an automobile in Bethany may be secured from the Office of the Dean of Students.



THE ACADEMIC PROGRAM

THE BETHANY PROGRAM

BETHANY is a small, Christian church-related, liberal arts college, with high standards of academic quality for both its students and its faculty.

It is small, in order that a close relationship may exist among the students and the faculty. No student need ever be "lost" at Bethany.

It is church-related by history and tradition, and by the common purpose of all connected with the College that education be more than merely the mastery of classroom material. Theology is not a part of the instructional program; but the Christian ethic, which is universal in its application, is an ideal which is consciously pursued, both in learning and in living at Bethany.

It is a liberal arts college, because those who have guided its destiny from the beginning have been convinced that the best foundation for success in any field of human endeavor is a broad understanding of the nature of man and his environment. Graduates of Bethany College are well-prepared for professional or other post-graduate training; for occupations demanding the ability to think logically, analyze problems, and make decisions; and above all for leading full and useful lives.

It is a college with high standards of academic quality because Bethany believes there is no substitute for academic excellence.

AIMS

Bethany College aims to assist its students in their preparation for intelligent and creative participation in contemporary living, and to direct them toward attainment of standards of excellence in scholarship, culture, and conduct.

The Faculty of the College has listed as representative of the more particular aims of the College the following:

- (1) To impart basic knowledge in various subject matter fields;
- (2) To establish sound habits of study and critical thought;
- (3) To provide opportunity for the development of health, physical fitness, good taste, poise, and courtesy;
- (4) To stimulate appreciation for the institutions and cultural contributions of mankind;
- (5) To develop social awareness and a fellow feeling for all nations and races;
- (6) To encourage creative self-expression in speaking, writing and the fine arts;

- (7) To enable the student to concentrate in an area of interest leading toward a career in one particular field.

The College undertakes to provide higher education in an atmosphere of Christian ideals and Christian faith and to assist in the development of the moral character and religious life of its students.

STUDENT GUIDANCE

Bethany College recognizes the need of giving its entering students an introduction to their work in new surroundings, and requires freshmen to come to the campus several days before the formal registration of other students. Orientation and evaluation days are planned not only to introduce the students to the College but, at the same time, to introduce the college to the students.

Freshman orientation and evaluation activities include placement and achievement tests, which enable the faculty counselors to counsel the students and to place them in the class for which they are best fitted.

From the beginning of his college career each student has a Faculty Counselor. After the freshman or sophomore year the Counselor is usually a faculty member whose special academic interests approximate those of the student. The student has ample opportunity to be in frequent contact with his Counselor, and reports of accomplishments and difficulties can be made directly to him.

The Faculty Counselor is concerned with the student's selection of courses, his academic progress, standards of conduct, and vocational plans and objectives.

The chief officer in charge of student guidance, student welfare, and the coordination of all student personnel administration is the Dean of Students. Members of his staff are available for help in career guidance, social adjustment, financial problems, plans for graduate or professional study, or personnel analysis.

VOCATIONAL COUNSELING

IN MODERN SOCIETY practically every individual must make some plans for a vocation. The faculty at Bethany College believes that the liberally educated man or woman has the best preparation to meet the challenges and opportunities in the "world at work." Against a broad, carefully planned, liberal arts background, Bethany College students can select specialized courses or fields of concentration which will prepare them for admission to graduate and professional schools or for entrance into the world of business.

Occupational choice is dependent upon individual capacities, interests, and the current opportunities. Young people choosing a career need general and specific information about job requirements, training, and outlook. Through faculty advisors and guidance services of the college, Bethany students can receive such help. The Vocational Information Office under the direction of the Dean of Students, serves in the appraisal, vocational advising, and job placement of students. The students may get help in the following ways:

Vocational Information. The Dean of Students and designated Faculty Advisors are prepared to give students current information concerning vocations. In addition to this, files of material about occupations, and information about specific business, industries, and professions are available for student use.

Opportunities for vocational interest and personality tests and appraisals are offered to students to help ascertain some of the factors essential in the student's eventual occupational choice and adjustment.

Campus Interviews. To bring together employers and prospective employees the Dean of Students encourages representatives of business, industrial, and professional organizations to visit the campus and arranges interviews for those students who desire them.

Placement. The Dean of Students suggests to students the most effective procedures in seeking employment, recommends methods of writing letters of application, and offers pointers on techniques of the job interview.

Graduate Training. Students who plan to do graduate work leading to higher degrees should bear in mind that a reading knowledge of both French and German is generally required. Results of the Graduate Record Examination will be requested by the graduate schools of most universities, and by an increasing number of organizations in business and industry.

PRE-PROFESSIONAL STUDY

Bethany College offers pre-professional training in a variety of fields. A large percentage of its students select their courses to qualify them for entrance to technical or professional schools. The Senior Counselors or Faculty Advisor should be consulted to see that specific requirements of the school selected are met.

Below are listed a number of career interests for which undergraduate preparation is to be found at Bethany. The strong recommendations for liberal arts courses should be noted. They represent

only a sampling of the many programs the student may elect in preparation for his life's work.

Christian Ministry. Students who plan to enter church vocations are expected to complete their preparation in seminaries and graduate schools of religion after their graduation from Bethany. Their undergraduate studies, therefore, include the fullest possible grounding in the liberal arts. Guided by the faculty committee on ministerial training, students elect courses which provide necessary pre-seminary studies in the natural and social sciences, the arts and humanities and religion. Students engaging in this pre-professional program may not ordinarily complete a sequence intended to train them for secular employment upon the completion of the A.B. degree.

Pre-Engineering. A broad training in the sciences and humanities provides a good foundation for students who plan future specialization in one of the branches of engineering. Students desiring to transfer to an engineering school will need to give careful attention to requirements of the engineering school they wish to enter.

By cooperative arrangement with Columbia University, Bethany offers the first three years of a five-year course and arranges for the qualified student to transfer to the technical school for the last two years of undergraduate training. Upon completion of the five-year program, degrees from both institutions will be granted.

Pre-law. Most leading law schools require no specific undergraduate courses for entrance but expect a broad training in the social sciences and humanities and in logical thinking. They recommend, however, that pre-law students take basic courses in history, political science, economics, sociology, psychology, English composition, and speech.

Pre-Medicine. Students desiring to prepare for the study of medicine will find instruction and facilities which will satisfy the entrance requirements for the best medical schools. It is recommended that the students planning to study medicine should have broad basic training in courses of general education, including foreign language, literature, philosophy, and social science. A sequence in Pre-Medical Training is planned for those who do not wish to elect a Field of Concentration in a single field of science.

Pre-Nursing. Increasing opportunities are open to college-trained women in the fields of public health and professional nursing both civilian and military. Bethany sponsors a co-operative program in nursing with certain well established and highly approved schools of nursing. Three years shall be spent at Bethany

College during which time there shall be earned a minimum of 96 semester hours, including 6 hours of Physical Education, followed by the successful completion of a prescribed course at a collegiate school of nursing recommended by Bethany College (such as Western Reserve University, University of Pittsburgh, Columbia-Presbyterian, Cornell and others), leading to the A.B. or B.S. degree from Bethany College.

Pre-Dentistry. Admission requirements to dental schools stipulate at least two years of pre-professional training. It is recommended that the pre-dental student follow to a large extent the pre-medical program.

Professional Chemistry. A thorough preparation for Professional Chemistry with a complete background of training in the liberal arts is offered in a program of courses that is designed to conform to American Chemical Society standards. Courses in Independent Study introduce the student to the principles of research, aiding in any contemplated graduate or industrial work following graduation.

FACULTY COUNSELORS

FOR FRESHMEN

Mr. Allison, Miss Angele, Mr. Avery, Mr. Clopine, Mr. Dawson, Mr. DePew, Mr. Gaddis, Mr. Goin, Miss Gordon, Mr. Graham, Miss Gray, Mrs. Hanna, Mr. Hauptfuehrer, Mr. Jones, Mr. Kaminsky, Mr. Knight, Mr. Kurey, Mr. Martin, Mr. McAlexander, Miss McGuffie, Mr. Myers, Miss Nicholson, Mr. Patterson, Miss Porter, Mr. Preston, Mr. Ray, Miss Reed, Mr. Sandercox, Mr. Sweet, Mr. Taylor, Mr. Tye, Mr. Walters, Mr. Young.

FOR FIELDS OF CONCENTRATION

<i>Art</i>	MR. McALEXANDER
<i>Biology</i>	MR. WEIMER
<i>Chemistry</i>	MR. DRAPER
<i>Economics</i>	MR. RICHARDSON
<i>Education</i>	MR. SPENCE
<i>English</i>	MISS MCGUFFIE
<i>Fine Arts</i>	MR. HAUPTFUEHRER
<i>Foreign Languages</i>	MR. MCKENZIE, MR. FERRIS
<i>History and Political Science</i>	MR. SHAW
<i>Mathematics</i>	MR. TYE
<i>Music</i>	MR. HAUPTFUEHRER
<i>Philosophy</i>	MR. MYERS
<i>Physical Education</i>	MR. KNIGHT
<i>Physics</i>	MR. ALLEN, MR. WEI
<i>Psychology</i>	MR. RAY
<i>Religion and Religious Education</i>	MR. PRESTON
<i>Sociology and Anthropology</i>	MR. CHUNG

FOR CAREER INTERESTS

<i>Dentistry</i>	MR. WEIMER
<i>Engineering</i>	MR. ALLEN, MR. WEI
<i>Law</i>	MR. SHAW
<i>Medicine</i>	MR. WEIMER
<i>Ministry</i>	MR. PRESTON
<i>Nursing</i>	MR. WEIMER
<i>Radio and Drama</i>	MR. DRINNON
<i>Recreational Leadership</i>	MR. KNIGHT
<i>Social Work</i>	MR. CHUNG
<i>Veterinary Medicine</i>	MR. WEIMER

FOR SPECIAL SERVICES

<i>Fellowships and Scholarships</i>	MR. SANDERCOX
<i>Foreign Students</i>	MR. MCKENZIE, MR. FERRIS
<i>Gans Fund Grants</i>	MR. WEIMER
<i>Graduate Fellowships and Scholarships</i>	MR. YOUNG, MR. SANDERCOX
<i>Honors Program</i>	MR. YOUNG
<i>Ministerial Training Awards</i>	MR. WALTERS
<i>Selective Service</i>	MISS GORDON
<i>Social and Recreational Activities</i>	MISS NICHOLSON
<i>Vocational Information and Guidance</i>	MR. SANDERCOX

INSTRUCTIONAL DIVISIONS

The college curriculum and general plan of instruction recognize a lower division and an upper division; the former represents the freshman and sophomore years, and the latter the junior and senior years.

LOWER DIVISION (Courses numbered 100-299)

The work in the lower division emphasizes what is usually called "general education," and it represents the undergirding of the student's cultural and academic experience. In this period the student not only should become familiar with different fields of knowledge but also discover the area in which he possesses marked interest and ability. During these two years, there are frequent conferences between the student and his counselor on his progress in academic, vocational, and social adjustment.

The student usually completes most of the specific course requirements for graduation in the lower division. A general survey examination (Sophomore Comprehensive Examination) is given at the end of the lower division work, the results of which are used for educational guidance.

UPPER DIVISION (Courses numbered 300-499)

In the upper division, students work under a Senior Counselor in the chosen Field of Concentration. The teaching procedures and materials give emphasis to individual initiative and concentrated work.

As far as possible the student's work is library and laboratory centered. Extensive reading, problems, and seminars are regular procedures in upper division instruction. The development of an ability to form thoughtful judgment and evaluations, the "attitude of the searchers," and sustained intellectual interests, are a part of the instructional aims at this level.

FIELD OF CONCENTRATION

A large part of the student's program in the upper division will center on the field of concentration and its related fields. The core subject of the field may be confined to the work of a single department, or may embrace work in two or more departments. The work is planned and administered as a unit under the direction of the Faculty Counselor.

REQUIREMENTS FOR DEGREES

Bethany College confers, at formal graduation exercises, upon students who have satisfied all appropriate requirements and have maintained high standards of character, the degrees of Bachelor of Arts or Bachelor of Science.

RESIDENCE

Four years are usually required to satisfy the course and residence requirements for the baccalaureate degree. Students of superior ability may complete the requirements in less time. As a minimum, the senior year or the last two semesters before entering a professional school must be spent in residence at the College (see "Combination Courses," p. 77). Not more than nine semester hours may be obtained in other undergraduate collegiate institutions for the fulfillment of the work of the senior year, except as stipulated under "Combination Courses."

SEMESTER HOURS

Candidates for either of the baccalaureate degrees are required to complete a total of 126 semester hours of academic work. Of this number:

- a. at least 40 hours must be in upper division courses;
- b. at least 96 must be of "C" grade or better;
- c. not more than 42 may be in any one Field of Concentration;
- d. not more than 8 may be in applied courses in any of the following Departments, nor more than 4 in any of the others, except that these limitations may be exceeded if the total in all Departments is not more than 12 or if each hour in excess of the maximum is matched by 2 hours of historical or theoretical courses in the same Department: Art, Education, Journalism, Music, Physical Education (exclusive of required activity courses), or Speech and Dramatics;

- e. not more than 65 may be transferred from institutions of junior college standing;
- f. in the case of candidates for the Bachelor of Science degree, at least 40 must be in courses in Biology, Chemistry, Mathematics, Physics, or Psychology, at least 25 of these at upper division level.

QUALITY POINTS

At least 252 quality points are required for graduation, and at least 80 of these must be earned in upper division courses. Quality points are awarded on the basis of final grades received. In computing quality points, the following values are used for each semester hour of credit: A=4 quality points, B=3, C=2, and D=1 quality point.

DISTRIBUTION OF COURSES

Candidates for graduation are required to complete certain courses which have been designated by the faculty as basic for general education.

The following specific requirements must be met by all candidates for the baccalaureate degree:

- * 6 semester hours in English composition
- * 6 semester hours in Religion 101-102, or equivalent courses.
- * 12 semester hours elected from the following sciences:
Biology, Physical Science, Mathematics, Chemistry, or Physics.
The total must include at least 6 semester hours in each of two sciences. Students whose field of concentration is in the Physical Sciences and Engineering may not elect Physical Science 201-202.
- * 12 semester hours in Social Science.
In the freshman or sophomore year all students must take Social Science 101-102. 6 additional hours may be elected from courses in Anthropology, Economics, History, Political Science or Sociology, or Social Science 442.
- * 12 semester hours in The Arts and Humanities.
Included in Arts and Humanities must be 3 hours of Fine Arts 201-202, and 3 semester hours in literature. Six additional hours may be elected from English literature; foreign literature; music; art.
- * 6 semester hours in one of the following:
Psychology or Philosophy.
- * 6 semester hours in Physical Education, i. e., two hours in personal hygiene (or Biology 101) and four hours in activities courses.
- * Students who have anticipated the subject matter courses prescribed for the baccalaureate degrees, may make application to the Committee on Admission and Academic Review to take an achievement test. If the result of this test indicates sufficient mastery of the subject, the necessity to take the prescribed course will be waived. Passing the achievement tests will not give credit in semester hours toward the degree.

Foreign Language Requirement:

A reading knowledge is required in one of the modern languages offered at the College or one approved by the Committee on Admission and Academic Review. This requirement may be satisfied by the completion of the second year course in the language at the college level, or by written and oral examinations given under the direction of the Department of Foreign Languages.

FIELD OF CONCENTRATION

Each student should select a Field of Concentration not later than after three semesters of resident academic work. The determination of the Field of Concentration cannot be delayed beyond the fourth semester without the possibility of extra academic courses being necessary.

Each student will have the help and direction of a Senior Counselor in planning his course of study in the Field of Concentration, but the following specific requirements must be followed:

- (a) In core subjects of the Field of Concentration, at least 24 semester hours must be completed but not more than 42 semester hours will be counted toward degree requirements. At least 12 semester hours in core subjects must be in courses at upper division level. Grades earned in core subjects must meet a minimum requirement of cumulative scholarship index of 2.00.
- (b) At least 12 semester hours must be completed in an area related to the core subject.

The Senior Counselor will determine specific course requirements within the Field of Concentration and must approve the related subjects.

The Field of Concentration which a student elects determines specific requirements for the student, not only of work to be done in the field selected, but courses to be completed in other departments. The general outline of the requirements for each Field of Concentration is listed in the Curriculum section of this bulletin that outlines the courses offered. Modifications may be made to meet the needs of the individual student.
alternate years.

SENIOR COMPREHENSIVE EXAMINATION

A comprehensive examination, both written and oral, is required of each candidate for a degree at Bethany College. It is intended to cover the total range of the student's academic preparation. This examination is given under the direction of the Senior Counselor in charge of the Field of Concentration with the assistance of a faculty committee appointed by the Dean of the Faculty. Portions of the Graduate Record Examination will con-

stitute a part of the Comprehensive Examination. A student failing the comprehensive examination shall be considered as failing to meet the requirements for graduation and shall not be graduated.

Comprehensive examinations are regularly given once each academic year. Students who fail to pass the comprehensive examination shall, upon payment of a suitable fee, with the permission of the Committee on Admission and Academic Review, and approval of the Senior Counselor, be given a second opportunity only at the end of any subsequent year. Further opportunity to take this examination shall be given by special vote of the faculty.

A student desiring to take a comprehensive examination in a second Field of Concentration may do so provided the Senior Counselors concerned and the Committee on Admission and Academic Review approve, and the student shall have paid the fee required for a special comprehensive examination.

GRADUATE RECORD EXAMINATION

Students are required to take the Graduate Record Examination during the senior year. The record on this examination will be needed by students seeking admission to graduate and professional schools. The results may be considered in the awarding of graduation honors. Portions of this examination will constitute a part of the Senior Comprehensive Examination. Charges for this examination are included in the graduation and diploma fee.

COMBINATION COURSES

Special arrangements have been approved by the faculty under which students who have completed three years of work at the College may transfer to specifically approved institutions for engineering or nursing training and be eligible for graduation at Bethany on satisfactory completion of their undergraduate training at the cooperating institution.

By special arrangement with the School of Engineering, Columbia University, Bethany offers the first three years of a five year course for engineering students and arranges for the qualified student to transfer for the last two years. Upon completion of this five year program the student will receive a bachelor's degree from Bethany College and from Columbia University.

Arrangements have been approved whereby Bethany students upon the completion of three years of satisfactory work in the College or ninety semester hours of work, exclusive of required physical education courses, with an approved distribution of courses, may transfer to approved university schools of nursing and upon the satisfactory completion of training may receive the Bachelor of Science Degree from Bethany College and the Diploma

in Nursing from the School of Nursing. The student Nurse's Registry Certificate is to be filed with the Registrar before graduation is confirmed.

SUMMER SCHOOL

The summer session is designed to meet the needs of high school graduates and students still in the upper grades of high school who want to begin their college work early, college students who wish to accelerate their programs or take extra courses, teachers, and any others who might benefit.

Unusually cool summer temperatures common to Bethany, an air-conditioned library, ample parking, and nearness to Oglebay Park — known throughout the country for its outstanding recreational and cultural programs — make Bethany College ideal for summer attendance.

For information on offerings, costs, schedules, etc., write the Director of the Summer School for a copy of the Summer Bulletin, which will be published about March preceding the summer session. Mentioning what courses you need will help determine what additional courses or independent study might be made available.

Credit will be given also for a limited amount of work done in the summer session of another approved college or university provided the courses taken are appropriate to the liberal arts curriculum and the grades earned are entirely satisfactory. Permission for summer study must be secured in advance from the Registrar.

EDUCATION FOR RESPONSIBLE CITIZENSHIP

The college has provided a program in training for active citizenship through the generous support of the Maurice and Laura Falk Foundation of Pittsburgh. This program is intended to lift politics to the level of deliberate awareness throughout the student body, and to give training to a few select liberal arts and pre-professional students in the nature and art of politics at local, state and federal governmental levels in preparation for responsible citizenship irrespective of the vocations which these young people will enter.

This is accomplished through a series of summer internships in practical politics and administration which sends a selected group of students who have completed substantial training in the political sciences to the offices of party headquarters, legislators, various administrative offices and legislative reference bureaus for a period of six weeks during the summer. Most of these assignments are at the state and local levels. The internships program is a natural outgrowth of solid teaching in political science courses.

The citizenship training program also embraces a series of planned visits to the campus by political individuals and groups for workshops and seminars and as guest lecturers in related classes. Political science field trips to the national capital and at least one state capital are scheduled each year as part of a study of the governmental process.

JUNIOR YEAR ABROAD

Under proper supervision and direction specially qualified students may substitute for the work of the junior year in college a year of study in Europe or England. To be eligible for the junior year abroad, the student ordinarily must have an average grade of "B" or better in the work of three semesters. Each application must be approved by the faculty. Any student wishing to avail himself of this opportunity should present the request in writing to the Committee on Foreign Students before the end of the second semester of his sophomore year.

SEMESTER IN WASHINGTON

Arrangements have been made for one or two advanced students in history, political science, economics or sociology to pursue studies in these fields under the direction of the American University in Washington, D. C. A student participating in this plan will take six to nine hours in regular academic work and six to nine hours in the study of government supervised by Bethany College and American University. Participants in the program must be recommended by the Senior Counselor and have the approval of the Committee on Admission and Academic Review.

THE BETHANY HONORS PROGRAM

The faculty of Bethany College believes that every student should be educated to his utmost capacity. To meet the special needs of the superior student, Bethany College has instituted an Honors Program.

ADMISSION TO THE HONORS PROGRAM

Any student of sophomore or junior standing, whose cumulative grade-point average is at least 3.0 may apply for admission to the Honors Program. Other students may apply if their applications are supported by the recommendation of at least one member of the faculty.

Applications for admission to the Honors Program will be acted on by the Honors Program Advisory Committee, consisting of the Dean of the Faculty, the Chairman of the faculty committee on Honors, and the Director of the Honors Program after consultation with the counselor. The appropriate application forms may be obtained from the Registrar, and the completed application should be submitted through the Registrar.

HONORS SEMINARS

Once a student enters the Honors Program, he embarks upon a course of study somewhat different from that pursued by the other students. The principal means of achieving the purpose of this program is the Honors Seminar in which are enrolled only the Honors Students. During his participation in the program the student will be a part of one such seminar each semester. The seminars represent all the principal areas of the arts and sciences. This means that the Honors student is privileged to pursue work in the major disciplines, in classes that are limited to 15 students.

GRADUATION REQUIREMENTS IN THE HONORS PROGRAM

Students participating in the Honors Program are required to satisfy college graduation requirements and, in addition, must participate in the program of Honors Seminars. Normally, students will enter the program at the beginning of the sophomore year. In no case, however, may a student enter the program later than the beginning of his junior year.

FACULTY-STUDENT TEAMWORK

One of the most important aspects of the Honors Program in general and the Honors Seminars in particular is that several members of the faculty work as a team in conducting the seminars, where the students are regarded as junior colleagues, engaged with faculty members in a common search for truth. The Seminars provide an integrated approach to understanding and a practical demonstration of the fact that all disciplines in a liberal arts college have a common goal.

PRIVILEGES OF STUDENTS IN THE HONORS PROGRAM

Honors students may audit any course at the College without payment of the auditing fee. They may elect as many as 21 hours of courses in a semester without special permission. They may take advanced courses without special permission and without the usual prerequisites except in those cases where the Head of the Department rules that this exemption shall not apply. They have preference in the offering of courses of Independent Study and departmental Honors Courses.

ACADEMIC COUNSELING OF STUDENTS IN THE HONORS PROGRAM

After the Honors Student has worked out a program of studies with his advisor, he will submit it to the Director of the Honors Program for discussion and approval.

PARTICIPATION IN THE HONORS PROGRAM BY STUDENTS IN DEPARTMENT HONOR COURSES

Students participating in departmental honors programs who are not members of the Honors Program may enter honors seminars related to their departmental studies upon the recommendation of the head of their department and with the approval of the Director of the Honors Program.

WITHDRAWAL OR REMOVAL FROM THE HONORS PROGRAM

A student may withdraw from the Honors Program by presenting a written request to the Honors Program Advisory Committee. The request will be recorded by the Committee and forwarded to the Registrar. The Committee also is authorized to remove any student from the Honors Program whose performance is unsatisfactory.

THE FUTURE OF THE HONORS STUDENT

Bethany College assumes that many talented students will go to a university or a professional school for graduate training. The Honors Program is designed to assist in their preparation for further study, and they are encouraged to apply for the fellowships and scholarships available to outstanding college graduates.

ACADEMIC REGULATIONS

STUDENT'S SCHEDULE

A student ordinarily carries fifteen or sixteen credit hours of academic work each semester, but it is possible for a student to carry additional credit hours with the permission of his faculty counselor and the Dean of the Faculty. It is ordinarily expected that no student will carry more than eighteen credit hours in any one semester unless approval has been granted by the Committee on Admission and Academic Review.

COURSE CHANGE

Any course changes should be made within ten days after registration. At other times a change can be made in courses or schedule with the consent of the student's counselor, the Dean of the Faculty, and the instructors concerned. After the first ten days

it is possible for a student to secure permission to drop a course only if the counselor and the Dean feel that the best interests of the student will be served by such procedure.

CLASS ABSENCES

Students are expected to attend all class and appropriate laboratory meetings of a course and to participate in all outside activities that are a part of the course. According to faculty ruling the following uniform system has been adopted to be used in connection with class absences.

1. Attendance for each class will be reported daily to the Office of the Registrar.
2. Freshmen and students on probation will be held strictly accountable for attendance at every class meeting. Excused absences are granted only in the event of serious personal or family emergencies, or authorized college events. A bi-weekly list of excused absences is issued by the Office of the Dean of Students.
3. For upperclass students not on probation, the demands of each course and the progress of the individual student will be the governing factors in class attendance requirements. *Any student who jeopardizes his progress by avoidable absences may be placed on probation. In the event of continued disregard for this understanding, he will be dismissed from college.*
4. No check will be made of the class attendance of those students who maintain a quality point average of 3.5.
5. If a student's total absences, *both excused and unexcused*, exceed one-fourth of a course, the instructor may report a grade of WF, dropping the student from the course.

PENALTY FOR LATE REGISTRATION

Students in attendance during any semester should register on the opening day of the following semester, if they desire to continue their work. A charge is made for each day of delay in registration. Class absences will be counted against the student for all days missed because of late registration. This rule does not relate to students entering for their first semester.

WITHDRAWAL

An honorable dismissal will be granted to any student in good standing and not subject to discipline, who may desire to withdraw from the College, if he has satisfied his counselor and a responsible officer of the College that there is a good reason to justify such action. Students asking to withdraw should present such a request to the Dean of Students in writing with a statement of approval

from parent or guardian. The recommendation of the Dean of Students will next be presented to the Business Manager and then to the Registrar for final record. No withdrawal will be considered complete until this procedure has been carried out.

FINAL EXAMINATIONS

All students are required to take the final examination in each course for which they are registered. Students who are taking the Senior Comprehensive Examination are excused from final examinations in all courses of the semester in which the comprehensive examination is taken.

SPECIAL EXAMINATIONS

A student justifiably absent from a final examination or a test given in connection with the regular class work, with the consent of the instructor and approval of the Dean of the Faculty, may be permitted to take a special test without payment of fee. Fees for special examinations must be paid at the Business Office before the examinations are taken and the proper receipt must be presented to the instructor at the time of the examination, and, later, shown by the instructor to the Registrar together with the grade given the student.

GRADING SYSTEM

The standing of a student in any course pursued is reported by letter. The meaning of the letters and the number of quality points earned per semester hour is as follows:

- A. Excellent. Four quality points; denotes work of unusual merit.
- B. Good. Three quality points; indicates appreciation and grasp of the subject that is distinctly above the average.
- C. Satisfactory. Two quality points.
- D. Inferior. One quality point; work below the average. It shows a lack of application or of ability to grasp the subject matter.
- Con. This abbreviation denotes conditional failure. The student is granted the privilege of taking an examination to remove the condition or, in case of a continuous course, it may be automatically removed if the student makes a grade of "C" or better the following semester. Failure to do so within the following semester will result in the grade being changed to "F." Regardless of the manner of removing the condition, no grade higher than "D" will be allowed.

Inc. This abbreviation denotes work not completed as a result of sickness or some other justifiable reason. An incomplete mark should be removed by the end of the fourth week in the following semester, unless an extension of time is granted by the Dean of the Faculty. It is not possible for a student to remove an incomplete mark after twelve months.

F. Failure. No quality points; denotes work that is definitely unsatisfactory and the course not passed.

W. Withdrawn.

WF. No quality points; indicates a course dropped with permission after the fifth week of the semester with student failing at the time of withdrawal. A grade of WF has the same effect on the student's grade-point average as an F.

A report of the scholastic standing of students is received at the Office of the Registrar at mid-semester in addition to the final semester reports. These reports are sent to the faculty counselor and to parents or guardian of each student.

CLASSIFICATION OF STUDENTS

The classification of students is determined according to the following plan: For sophomore rank a student must have at least twenty-five hours of academic credit and fifty quality points. Admission to the upper division or full junior standing is conditioned upon the student's having at least sixty hours of academic credit and one hundred and twenty quality points; and he must have passed the Sophomore Comprehensive Examination. For senior class rank the student must have at least ninety-four hours of academic credit and one hundred and eighty-eight quality points.

No student is considered as a candidate for the baccalaureate degree until he has been granted senior classification, until he has filed an Application to take the Senior Comprehensive Examination in the Field of Concentration, and until he has filed an Application for a Degree.

PROBATION

The term "on probation" is applied to students who are allowed to continue in college after having failed to meet the standards expected by the faculty and administration. Students may be placed on probation for any of the following causes, or a combination of them.

a) Unsatisfactory scholastic record during the semester or preceding semesters.

The following academic bases will be used to determine "probation" each semester:

Freshmen must achieve a cumulative grade of at least 1.8; and Sophomores, Juniors and Seniors a grade index of at least 2.

b) Unsatisfactory class attendance during the semester or preceding semester.

c) Unsatisfactory deportment at any time.

"Probation" is intended to be a serious warning to the student and to the parents or guardians, that the student's record is unsatisfactory and that unless significant improvement is made the student may be asked to withdraw from the college. The Committee on Admission and Academic Review may dismiss any student if, in its judgment, the student is not likely to meet the requirements for graduation in the usual period of four years. An extension of the four-year period shall be granted only when there are unusual extenuating circumstances.

Students on probation may be declared ineligible for participation in athletic or other student activities. While on probation a student is not eligible to receive any grant from college scholarship or loan funds. A student on probation may not have or operate an automobile in the Bethany community.

TRANSFER OF RECORDS

Students wishing to transfer from Bethany College to another institution should request the Registrar to send an official transcript of record and notice of honorable dismissal. The request should be made *at least one week before the transcript is needed*. One transcript is furnished for each student without charge; for each additional transcript a fee of \$1.50 is charged, which fee must accompany the request. All financial obligations to the college must be paid before a transcript can be issued.

CHANGES IN REGULATIONS

The College reserves the right to amend the regulations covering the granting of degrees, the courses of study and the conduct of students. *Membership in Bethany College and the receiving of a degree are privileges, not rights.*

The College reserves the right, and the student concedes to the College the right, to require the withdrawal of any student at any time without explanation.

INVALIDATION OF CREDITS

Courses completed either in Bethany College or elsewhere, more than ten calendar years before the date of proposed graduation, will not be accepted for credit toward graduation. All candidates are expected to comply with the requirements for degree in effect at the time of acceptance of the application for degree. With the approval of the Committee on Admission and Academic Review and the payment of the required fee the candidate may take examinations, as administered by the various departments, for courses included in the current curriculum, to re-instate academic credit that may have been declared not valid because of date.

CURRICULUM

ART

AIMS

To help students understand visual experience as a positive act; to provide meaningful experience in two and three dimensions; to provide standards of evaluation of the practical and fine arts.

REQUIREMENTS FOR FIELD OF CONCENTRATION

To concentrate in the field, Art 241 and 242 are required, plus a total of four studio courses, (8 hrs.) from numbers 301 to 304, and three historical courses (9 hrs.) from numbers 325 to 340.

Bethany College Art Department reserves the right to keep as many as three works by each student from each class. These drawings, paintings and sculpture will be added to a Collection of Student Art and will be used to enhance the campus.

ART 241 BEGINNING DRAWING AND COLOR (3 hrs.) Creative expression in, and theories of two-dimensional expression. Attempts to give students hand and eye training and to aid them to understand past and contemporary visual expressions. Media in drawing will be charcoal, conte crayon, pen and brush. Open to all students. 2 hrs. lecture; 4 hrs. studio work.

ART 242 BEGINNING SCULPTURE (3 hrs.) Creative expression in, and theories of three-dimensional expression. Attempts, through work with solid forms and volumes, to establish a basis for evaluation of sculpture and three-dimensional design both past and present. Open to all students. 2 hrs. lecture; 4 hrs. studio work.

ART 301 CERAMICS (2 hrs.) Basic techniques of designing, building and glazing ceramics. Individual projects carried on according to student's ability. Prerequisite for Art majors only: Art 242.

ART 302 DRAWING (2 hrs.) Creative expression in, and theories of, drawing techniques and media. Primary emphasis will be placed upon individual expression of figure, landscape and still life. Prerequisite for Art majors only: Art 241

ART 303 PAINTING (2 hrs.) Studio course in painting in oil, casein, watercolor or tempera. Prerequisite for Art majors only: Art 241 & 302.

ART 304 SCULPTURE (2 hrs.) Creative expression in three-dimensional forms. Students will work with materials that are readily available and easily handled, such as wood, wire, plaster and clay. Prerequisite for Art majors only: Art 242.

ART 325 ORIENTAL ART (3 hrs.) A study of the art forms of the Orient, including China, Japan and India.

ART 326 ITALIAN RENAISSANCE PAINTING (3 hrs.) The Italian Renaissance as reflected in painting from the 14th to the 16th centuries. Not offered in 1964-65.

ART 327 ART OF THE AMERICAS (3 hrs.) A brief study of the arts of the Indians of the Americas and the development of western art forms in America.

ART 328 GREEK ART (3 hrs.) The Golden Age of Greece as reflected through sculpture, architecture, and pottery. Not offered in 1964-65.

ART 329 ART OF TODAY (3 hrs.) A study of contemporary expression and its immediate background. Not offered in 1964-65.

ART 342 ELEMENTARY TEACHERS WORKSHOP (2 hrs.) (Creative Expression in Art.) The teaching of art in an experimental workshop dealing with materials and projects for children at various age levels.

ART 487-488 INDEPENDENT STUDY (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field, Selection is to be made by the student according to interests and needs, subject to approval of the instructor.

ART 491-492 HONORS COURSE (1 to 3 hrs.) Designed for seniors of superior ability and achievement, who are concentrating in Art.

ART 477-478 SENIOR SEMINAR (1 hr.) Required of all students concentrating in the field. A survey of Art for review and interpretation of the particular problems of this field.

ART 480 METHODS AND MATERIALS OF TEACHING ART (3 hrs.) Methods, materials and techniques pertinent to the teaching of Art in the high school.

ART 481-482 ART PRACTICUM (1 hr.) The primary purpose of the course is the study of Art History as it is found in important museums and collections. The group will make one or more field trips per semester. Prerequisite: One Art History course or permission of the instructor.

FINE ARTS

AIMS

The Department of Fine Arts is not a separate faculty; it draws upon the faculties and curricula of the Departments of Art, Music, Philosophy, and Speech and Drama. Its aims are to give expression to the aesthetic unity of the various forms and modes of art, and to permit students to pursue a non-professional interest in these fields.

REQUIREMENTS FOR FIELD OF CONCENTRATION

All students concentrating in Fine Arts must take Fine Arts 201-202; Art 241 or Art 242; Speech 301; Music 101 or Music 143; Philosophy 377; and Fine Arts 478. In addition, at least eight courses must be elected from at least two of the following categories, with an emphasis (five courses) in one of the categories. At least four of these eight courses must be at upper division level.

1. Art: upper division art studio and art history courses.
2. Music: music theory and music literature courses.
3. Speech and Drama: lower division basic speech courses and upper division drama courses.

Students electing this field of concentration would also normally be expected to participate extra-curricularly in at least some of the performing and practicing activities in the area of emphasis.

A student concentrating in Fine Arts may elect a related field in another Department, or in Art, Music, or Speech and Drama. In the latter case, however, the related field may not be the same as the area of emphasis, and the same courses may not be used in satisfying the requirements both for the field of concentration and for the related field.

Students primarily interested in Art or Music should also consult the sections of this catalogue dealing with the fields of concentration in those Departments.

FINE ARTS 201-202 INTRODUCTION TO THE ARTS (3 hrs.) An introduction to the elements of the graphic and plastic arts and music and to the organization of these elements in works of art

through the examination of representative master works of Western art from all ages. Consideration is given also to aesthetic functions and values. The sequence is chronological, the first semester extending to mid-18th century, the second, from that point to the present.

FINE ARTS 478. SEMINAR IN FINE ARTS (2 hrs.) Required of and limited to seniors concentrating in the field of Fine Arts.

ASTRONOMY

ASTRONOMY 101 or 102 (3 hrs.) A course in descriptive astronomy. This non-technical course in beginning astronomy includes such topics as the solar system, satellites, eclipses, constellations, the galactic system, and exterior systems. Offered in alternate years; not offered in 1964-65.

BIOLOGY

REQUIREMENTS FOR FIELD OF CONCENTRATION IN BIOLOGY

A minimum of twenty-four semester hours in the department. A minimum of twelve semester hours of chemistry, at least four of which are organic chemistry, is desirable. German or French should be elected to meet the graduation requirement for foreign languages.

Students who plan to teach or become professional biologists should elect the following sequence of courses: Biology 101-102, 201, 203, 228, 328, 343, 365, 425, 442 and 478.

Students preparing for work in medicine, dentistry, nursing or as laboratory technicians should elect the following sequence of courses: Biology 101-102, 201, 203, 343, 440, 442 and 478.

Sequence of courses subject to approval of the Senior Counselor.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN PRE-MEDICAL TRAINING

A minimum of twenty hours in the Department of Chemistry which must include Chemistry 101 or 102, and 301-302; sixteen hours in biology, which must include Biology 101 or 102 and 201; and eight hours in Physics. Sequence of courses subject to approval of the Senior Counselor.

BIOL. 101-102. GENERAL BIOLOGY (3 hrs.) The fundamental structures and life processes of plants and animals including man, and their important interrelationships.

BIOL. 155 INTRODUCTION TO APPLIED MICROBIOLOGY (2 hrs.) An introduction to the study of micro-organisms and their relation to medicine, surgery, and public health. Discussion and laboratory work.

BIOL. 167 INTRODUCTION TO MAMMALIAN ANATOMY AND PHYSIOLOGY (3 hrs.) Mammalian anatomy as exemplified in the cat. Discussion and study of the functioning of the tissues and organ systems of the human body. Laboratory study of the anatomy of the cat, and human physiology. Discussions, demonstrations, and individual laboratory work. Registration restricted to students preparing for nursing and majors in physical education. Offered in alternate years. Not offered in 1964-65.

BIOL. 201 COMPARATIVE VERTEBRATE ANATOMY (4 hrs.) Comparative anatomy of the representative forms of vertebrates; laboratory study of the comparative anatomy of the shark, *Necturus* and cat. Prerequisite: Biology 101-102. Required of all pre-medical students.

BIOL. 203 HEREDITY AND EUGENICS (3 hrs.) Modern theories and laws of heredity and their relation to man.

ECOLOGY. 225 or 226 (3 hrs.) A study of the general principles of bioecology of plants and animals. Considerable time will be spent in the field of special emphasis will be placed on the field of study of one particular community.

BIOL. 228 PLANT ECOLOGY AND LOCAL FLORA (2 hrs.) Identification of the common seed plants and ferns by the use of manuals. and the study of the relation between plants and their environment. Prerequisite: Biology 101-102 or a course in biology at secondary school level.

BIOL. 230 OUR OUTDOORS (1 hr.) Field study of man's natural environment from the standpoint of geology and biology. Estimated cost of the course to the student exclusive of tuition, including field trips, food and incidentals: \$5.00 to \$8.00. Enrollment limited to fifteen. Not open to freshmen.

BIOL. 328 ADVANCED GENERAL BOTANY (3 hrs.) The structural relationships of various type forms of the plant kingdom together with a study of the fundamental life processes of plants; growth, irritability, food synthesis and metabolism. Prerequisite: Biology 101-102.

BIOL. 343 BACTERIOLOGY (3 hrs.) Morphology and physiology of yeasts and bacteria; principles of laboratory technique; cultural characteristics and environment influences on bacterial growth.

BIOL. 365 INVERTEBRATE ZOOLOGY (3 hrs.) The invertebrate animal including phylogeny and morphology. A laboratory study of representative forms of invertebrates will be made. Prerequisite: Biology 101-102. Alternates with Biology 425.

BIOL. 367 or 368. THE LIVING CELL (2-3 hrs.) An introduction to the structural organization and the important aspects of cell physiology in the light of modern biochemistry and biophysics.

BIOL. 399 or 400. JUNIOR SEMINAR IN BIOLOGY (1 hr.) An introduction to the fields of Biology and to biological literature and research. A required course for those students of junior standing whose Field of Concentration is Biology.

BIOL. 402 MARINE BIOLOGY (4 to 6 hrs.) Credit may be given for summer courses taken at the Marine Biological Station at Woods Hole, Massachusetts, or at any other station of similar rank.

BIOL. 425 PHYSIOLOGY (3 hrs.) Structure and functions of the human body; the mechanism of bodily movements, responses, reactions, and various physiological states. Prerequisites: Biology 101-102 and 201. Alternates with Biology 365.

BIOL. 440 HISTOLOGY (3 hrs.) Structure of the cell and its modification into various tissues with special attention to the theory and practice of general histological techniques. Prerequisites: Biology 101-102 and 201. Alternates with Biology 442.

BIOL. 442 VERTEBRATE EMBRYOLOGY (4 hrs.) Nature and development of the tissues and organs in vertebrates; embryos of chick and pig studied in the laboratory. Prerequisites: Biology 101-102 and 201. Alternates with Biology 440.

BIOL. 478 SEMINAR IN BIOLOGY (2 hrs.) A survey of the fields of biology and the current literature relating to investigations in those fields. Prerequisites: Biology 101-102; 201, 228 and 442. Open only to upper division students. Required for Field of Concentration in Biology.

BIOL. 480 METHODS AND MATERIALS IN TEACHING BIOLOGY (2 hrs.) The aims and methods of teaching biology in the secondary schools. Special attention will be given to general laboratory procedure and technique. Prerequisite: Sixteen hours in the department and upper division rank.

BIOL. 488 INDEPENDENT STUDY IN BIOLOGY (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. The field of study may be selected by the student interested in Biology, subject to the approval of the Head of the Department, according to interest and future needs.

BIOL. 491 HONORS COURSE (1 to 3 hrs.) Advanced theoretical and experimental work in biology; an introduction to research. Prerequisites: Biology 101-102; 201. Enrollment limited to students concentrating in Biology who are seniors of superior ability and achievement. Permission of the Head of the Department required.

CHEMISTRY

AIMS

To contribute to the student's general culture, his understanding of the nature of the physical world and his understanding of the place of chemistry in industrial and business life; to provide experience in the scientific method of reasoning; and to provide students concentrating in this field with a thorough and practical education in chemistry which may be useful in industrial, technical and graduate work.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty-four semester hours in this department including Chemistry 101-102 or 191, 201-202, 301-302, 439-440, 477-478; also Mathematics 201-202 and Physics 101-102. German or French should be elected to meet the graduation requirement for foreign language. Students taking Chemistry 191 instead of Chemistry 101-102 will take an additional four semester hours of upper division credit in chemistry. The sequence of courses is subject to the approval of the Senior Counselor.

AMERICAN CHEMICAL SOCIETY REQUIREMENTS FOR THE PROFESSIONAL CHEMIST. A course of study, designed to conform to the American Chemical Society standards, is required for those students who plan to become professional chemists or plan to enter graduate work in chemistry. Under this plan, in addition to the chemistry, mathematics and physics requirements listed above for a field of concentration in chemistry, two additional semesters of upper division courses in chemistry and two years of German must also be elected. In addition to the German, a year of French is strongly recommended for those students planning to do graduate work. Among the electives, at least 18

semester hours, exclusive of English and modern language requirements, are required in the humanities.

The entering freshman who is interested in chemistry should be sure to select Chemistry 101-102, Mathematics 101-102, English 101-102, German 101-102, Physical Education 101-102 and 3 to 6 hours of electives. Programs for subsequent years must be decided in conference with the faculty counselor for chemistry.

An entering freshman interested in chemistry, who has advanced standing in that field, should elect Chemistry 191 (first semester), Chemistry 201 (second semester), Mathematics 101-102 or 201-202, English 101-102, German 101-102, Physical Education 101-102 and 3 to 6 hours of electives. Under this plan, in connection with the Honors Program, it would be possible for a student to earn a major in chemistry in three years. All students contemplating this program or planning to take Chemistry 191 should consult with the Head of the Department of Chemistry before their registrations are completed. Programs for subsequent years must be decided in conference with the faculty counselor for chemistry.

CHEM. 101-102 GENERAL CHEMISTRY AND INORGANIC QUALITATIVE ANALYSIS (4 hrs.) A study of theoretical and descriptive inorganic chemistry and the principles of qualitative analysis. The laboratory work is concerned with selected experiments in basic chemical principles and a systematic qualitative scheme of analysis for the cations and anions. Prerequisites: Two units of mathematics or concurrently with Mathematics 101-102.

Three lectures and four hours of laboratory per week.

CHEM. 103 INTRODUCTION TO CHEMISTRY (3 hrs.) An introductory course in the principles and applications of inorganic and organic chemistry. It will not count for credit for the science major.

Two lectures and three hours of laboratory per week.

CHEM. 191 INTRODUCTORY THEORETICAL CHEMISTRY (4 hrs.) A course for entering freshmen with a superior high school background in chemistry and mathematics. The course is concerned with the underlying theoretical basis of chemistry, including such topics as the chemical bond and molecular structure, the states of matter and the dynamics of chemical change. Most of the illustrative material will concern elements other than carbon. There will be a heavy emphasis on numerical problems illustrating aspects of the principles considered. After a brief review of basic techniques, the laboratory will stress applications of principles to problem solving. An introduction to qualitative analysis will be

included. Admission to this course is subject to the approval of the Head of the Department.

Three lectures and four hours of laboratory per week.

CHEM. 201 QUANTITATIVE ANALYSIS (4 hrs.) The lectures cover the theory of qualitative and quantitative analysis. Important problem types based on both volumetric and gravimetric analysis are taught as well as those emphasizing the concepts of mass action, solubility product, equilibrium, hydrolysis, ionization, etc. Representative analyses are studied in the laboratory. Prerequisites: Chemistry 101-102 and Mathematics 101-102.

Two lectures and six hours of laboratory per week.

CHEM. 202 STOICHIOMETRY (2 hrs.) Problems based on the mass, heat and other energy relationships implicit in chemical reactions. Calculations of equilibrium constants and from equilibrium constants based on the variations in the ionic strength of solutions. Prerequisite: Chemistry 201.

Three hours of problem-laboratory sessions per week.

CHEM. 301-302 ORGANIC CHEMISTRY (5 hrs.) An introductory course in the study of the organic compounds of carbon, both aliphatic and aromatic, involving a considerable amount of the electronic mechanisms of organic reactions. The laboratory work consists largely of organic preparations, Prerequisites: Chemistry 101-102 or Chemistry 191 and Chemistry 201.

Three lectures and six hours of laboratory per week.

CHEM. 326 ADVANCED INORGANIC CHEMISTRY (3 hrs.) The chemistry of certain elements and their compounds is studied and interpreted on the basis of modern theories of atomic and molecular structure. Prerequisites: Chemistry 201-202 or by permission of the Head of the Department.

Three lectures per week.

CHEM. 425 ORGANIC QUALITATIVE ANALYSIS (3 hrs.) A course in organic analysis with the emphasis on qualitative analysis. Prerequisites: Chemistry 301-302.

One lecture and six hours of laboratory per week.

CHEM. 426 ADVANCED ORGANIC CHEMISTRY (2 hrs.) The study of selected advanced topics in organic chemistry with emphasis on the mechanisms of organic reactions. Laboratory work will be introduced as appropriate and will stress newer techniques both of an instrumental and non-instrumental nature. Prerequisites: Chemistry 301-302.

Two lectures or one lecture and three laboratory hours per week.

CHEM. 439-440 PHYSICAL CHEMISTRY (4 hrs.) A study of theoretical chemistry including the following topics: gaseous state, atomic and molecular forces, crystalline state, physical properties and molecular structure, thermochemistry, thermodynamics, liquid state, solutions of electrolytes and non-electrolytes, chemical equilibria, phase diagrams, chemical kinetics, electric conductance, electromotive force, ionic equilibria. Prerequisites: Chemistry 201-202, 301-302 or concurrent with Chemistry 301-302; Physics 201-202 and Mathematics 201-202.

Three lectures and three hours of laboratory per week.

CHEM. 442 ADVANCED ORGANIC PREPARATIONS (1 or 2 hours.) Organic syntheses, individually assigned, of an advanced nature. Prerequisite: Chemistry 301-302.

Three hours or six hours of laboratory per week.

CHEM. 452. INSTRUMENTAL ANALYSIS (2 hrs.) Laboratory practice with specialized instrumentation for obtaining quantitative data quickly. The operation of these instruments will be taught: infrared, visible and ultraviolet spectrophotometers; gas and wet-column chromatography; polarography, measurements with pH meters, electrometric titrations; use of polarizing microscope and isotope scalers. Prerequisite: Chemistry 439.

Two three-hours laboratory periods plus a one-hour briefing period per week.

CHEM. 477-478 SEMINAR IN CHEMISTRY (1 hr.) A survey of the fields of general, analytical, organic and physical chemistry and an investigation of the current literature relating to research in these fields. Prerequisites: Chemistry 101-102, 201-202, 301-302, and 439-440. Required of all students with a Field of Concentration in Chemistry.

CHEM. 479-480 METHODS AND MATERIALS IN TEACHING CHEMISTRY (2 hrs.) The aims and methods of teaching chemistry in the secondary schools. Special attention is given to laboratory procedure and techniques. Prerequisite: Sixteen hours of chemistry and junior or senior rank.

CHEM. 487-488 INDEPENDENT STUDY IN CHEMISTRY (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. The field of study may be selected by the student subject to the approval of the Head of the Department, according to interest and future needs.

CHEM. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced theoretical and experimental work in chemistry; an introduction to research. Enrollment is limited to seniors of superior ability and achievement. Permission of the Head of the Department is required.

ECONOMICS

AIMS

The courses are intended to provide students with background for better understanding of current economic and social problems, and thus prepare them for intelligent citizenship; to train students for effective work in business, industry, or government; and to lay a solid foundation for graduate study and teaching in the field.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the Department, including Economics 201-202; 265 or 267-268; six hours selected from 301-302 and 441; and 478. Additional courses should be selected by the student, with the advice of the Department Head, in accordance with the student's special interest and his career orientation. A student must attain a grade of at least C in Economics 201 and 202 before he may enter the field of concentration in Economics. Math. 101-102 is strongly recommended. Calculus for those planning on doing graduate work.

ECON. 126 PERSONAL FINANCE (2 hrs.) Checking accounts, charge accounts, installment buying, planning a budget, financing a home, investing in securities, buying insurance, making a will, starting a business, and other financial problems confronting the college graduate. Not offered in 1963-1964.

ECON. 201-202 PRINCIPLES OF ECONOMICS (3 hrs.) The fundamentals of economics; their application to economic, social and political conditions of today is stressed with the purpose of giving the student the approach to an intelligent outlook on current problems.

ECON. 265-266 INTRODUCTION TO ACCOUNTING (3 hrs.) Principles and methods of accounting for different types of business organizations. This course is an indispensable foundation for general business training.

ECON. 267-268 ELEMENTARY ECONOMIC STATISTICS (2 hrs.) Statistical principles and their practical application in government and business; nature, collection and organization of data; presentation of data in tabular and graphic form; the various averages; measures of dispersion; construction and use of index numbers; and measurement of correlation. Not offered in 1963-1964.

ECON. 301-302 INTERMEDIATE ECONOMY THEORY (3 hrs.) An advanced survey of the elements of economic theory, primarily for students concentrating in the Department. First semester: price determination, income distribution, and resource allocation, under conditions of competition, monopoly, and monopolistic competition; second semester: the theory of national income and employment determination, business cycles, inflation, economic stagnation, and economic growth. Prerequisite: Economics 201-202.

ECON. 303 EUROPEAN ECONOMIC HISTORY (3 hrs.) A survey of the economic development of Europe from the pre-industrial era to the present, with emphasis on the forces that have contributed to modern-day Europe. Offered irregularly.

ECON. 304 AMERICAN ECONOMIC HISTORY (3 hrs.) A study of the historical growth and institutional character of the United States economy from the colonial period to the present day. Offered in alternate years. (See History 303)

ECON. 320 PRINCIPLES OF MARKETING AND DISTRIBUTION (3 hrs.) The marketing function of the manufacturer, wholesaler, jobber, retailer, mail-order house, chain store and other marketing institutions; cost of distribution; problems of marketing management and planning; modern trends in marketing. Offered in alternate years.

ECON. 325 PRINCIPLES OF BUSINESS FINANCE (3 hrs.) Planning financial requirements for business firms. Financing current operations and long term needs. Investment institutions. How leaders and investors evaluate business. Corporate securities. Offered in alternate years.

ECON. 329 MONEY, CREDIT AND BANKING (3 hrs.) The principles of monetary and banking theory as they exist at present and a survey of banking practices; intended to give a thorough understanding of contemporary money, credit and banking problems. Offered in alternate years. Prerequisite: Economics 201-202.

ECON. 331 INTERNATIONAL TRADE AND FINANCE (3 hrs.) The principles of international trade and finance and their application to the modern world; the theory of comparative advantage; exchange rates, monetary standards, and international financial institutions; tariffs and commercial policy; capital movements; aid to underdeveloped countries. Not offered in 1963-1964. Prerequisite: Economics 201-202.

ECON. 365 DATA PROCESSING AND THE ACCOUNTING SYSTEM (2 hrs.) A study of the principles and application of equipment used in processing data with emphasis on Managerial Accounting. Interpretation of financial data and the application of accounting in the various fields of Economics and the other quantitative disciplines. Approval of the instructor required. Offered in alternate years.

ECON. 375 THE ECONOMICS OF GROWTH AND DEVELOPMENT (3 hrs.) A seminar in theories of the economic development of technologically backward countries. Students will have an opportunity to apply analytical tools to specific countries in Asia, Africa and Latin America.

ECON. 425 PUBLIC FINANCE (3 hrs.) A survey of the principles of government finance combined with a thorough study of the federal tax system. Offered in alternate years. Prerequisite: Economics 201. Not offered in 1963-1964.

ECON. 427 BUSINESS AND GOVERNMENT (3 hrs.) A course designed to analyze the role and scope of government activity in the economy, which includes the historical evolution of this role, as well as a study of current techniques and administrative problems. Offered in alternate years.

ECON. 431 LABOR ECONOMICS (3 hrs.) A general course in labor economics and industrial relations; employment and unemployment; wages, hours, and productivity; history and objectives of organized labor; managerial labor policies; collective bargaining; current social, economic, and political aspects of labor-management relations.

ECON. 432 MANAGERIAL ECONOMICS (3 hrs.) The study of the sources, types, and uses of economic information and the application of economic theory to the problem of business decision making. Emphasis is placed on profit objectives, the measurement and forecasting of demand and costs, and capital budgeting. Prerequisite: Economics 201-202. Offered in alternate years.

ECON. 441 HISTORY OF ECONOMIC THOUGHT (3 hrs.) Outstanding writers and their ideas are studied in relation to the conditions that led to important changes and developments in economic thinking; current trends of thought.

ECON. 444 COMPARATIVE ECONOMIC SYSTEMS (3 hrs.) The theoretical systems of capitalism and Marxian and non-Marxian socialism; actual economic systems exemplifying these theoretical modes, studied in terms of their historical evolution. Offered in alternate years.

ECON. 478 SEMINAR IN ECONOMICS (2 hrs.) Economic problems are studied on an advanced level for the purpose of supplementing and correlating work done in other courses. Occasional special lectures and field trips, expenses to be met by the participating students. Open only to seniors concentrating in the Department.

ECON. 487-488 INDEPENDENT STUDY IN ECONOMICS (1 to 3 hrs.) Designed for students who desire to do independent study in some special field. The field of study may be selected by the student subject to the approval of the Head of the Department, according to interest and future needs. Enrollment is limited to any juniors or seniors who have special interest in the field.

ECON. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced projects and minor research studies. Readings, conferences and reports on a field of special interest. Enrollment limited to seniors of superior ability and achievement concentrating in this field. Permission of the Head of the Department required.

EDUCATION

AIMS

This department believes that the successful teacher is one who has a thorough preparation in the Liberal Arts. The department seeks to develop in students a wholesome and intelligent attitude toward public education; to cultivate thinking about problems in education; and to integrate its work with that of other departments in a well-rounded liberal and professional education of prospective elementary and secondary teachers.

REQUIREMENTS FOR FIELD OF CONCENTRATION

ELEMENTARY EDUCATION — A minimum of twenty-four hours in the Department of Education; a minimum of six hours in the Department of Psychology. Sequence of courses is subject to the approval of the Education Department Senior Counselor. Ed. 142 and 201 should be completed by the end of the Sophomore year. A "C" average must be attained in these two courses for admission to subsequent professional education courses.

SECONDARY EDUCATION — A field of concentration is not offered in secondary education as such. Students preparing to teach in the secondary schools are required to select one or two academic fields of concentration, in conjunction with which they

may elect the *area* of secondary education. The usual fields for which Bethany College prepares junior and senior high school teachers are art, English, health and physical education, languages, mathematics, music, the sciences, social studies, and speech. Various combinations are sometimes advisable. Ed. 141 and 202 and the course in Special Methods of Teaching applicable to the student's major teaching field should be completed by the end of the Junior year. A "C" average must be attained in Ed. 141 and 202 for admission to subsequent professional education courses.

ADMISSION TO TEACHER EDUCATION

Students who are interested in elementary or secondary teaching must confer with the Head of the Department of Education preferably during the freshman year, but *not later* than the completion of the sophomore year. Anyone not adhering to this recommendation should plan to take more than the 126 hours required for graduation.

A written application for admission to the elementary or secondary professional education program must be submitted to the Education Department on forms obtained from the Department.

Students are expected to apply for admission to the program by the end of the sophomore year.

Applicants are appraised by the Teacher Education Review Committee with respect to academic achievement, emotional and physical fitness, personality traits, and other factors the committee considers essential to a teaching career. In some cases the Committee may suggest programs to overcome certain deficiencies; in others it may recommend that the student not prepare for teaching. Anyone doubtful of his qualifications for teaching might find it advantageous to apply before registering for his first education course.

The Teacher Education Review Committee may review a student's qualifications at any time and issue appropriate recommendations. The general qualifications of all students are reviewed by the Committee at the time they apply for student teaching.

BLOCK OF PROFESSIONAL PREPARATION

Each student pursuing a curriculum in teacher education will take a full semester of professional courses, including student teaching, during the *first* semester of the senior year. This is designated as the **PROFESSIONAL BLOCK**.

Requirements for admission to the **PROFESSIONAL BLOCK**

PREREQUISITES — Students should have satisfied all prerequisites to Education 443 or 475 that precede the professional block program. Prerequisites cannot be deferred until after student teaching or taken at another institution without *written* permission of the Department of Education.

ELEMENTARY EDUCATION—A student must have a general “C” average in all academic work, and a “C” average in professional (Education) courses taken prior to the time he is admitted to the **PROFESSIONAL BLOCK**.

SECONDARY EDUCATION—A student must have a general “C” average in all academic work, a “C” average in at least one teaching field (Music excepted) and a “C” average in professional education courses taken prior to the **PROFESSIONAL BLOCK**.

APPLICATION FOR STUDENT TEACHING — Students are required to make application for student teaching during the second semester of the junior year. This application requests the recommendation of the student’s Senior Counselor and requires the approval of the Head of the Department of Education. Applications will not be accepted from students not previously admitted to teacher education, as explained above.

THE PROFESSIONAL BLOCK PROGRAMS

ELEMENTARY EDUCATION: First Semester, *Senior Year*

Education 301	4 wks.	2 periods daily	3 hrs. credit
Education 346	7 wks.	1-2 periods daily	3 hrs. credit
Psychology 332	8 wks.	1 period daily	3 hrs. credit
Education 443	16 wks.	Student teaching and seminar	
		6 hrs. credit	
TOTAL			15 hrs.

SECONDARY EDUCATION: First Semester, *Senior Year*

Education 301	4 wks.	2 periods daily	3 hrs. credit
Education 328	5 wks.	2 periods daily	3 hrs. credit
Psychology 332	9 wks.	1 period daily	3 hrs. credit
Education 475	16 wks.	Student teaching and seminar	
		6 hrs. credit	
TOTAL			15 hrs.

Students will not be permitted to schedule courses in conflict with the *block* during the semester they are enrolled in it, or carry extracurricular activities which will interfere with the requirements

imposed by the *block*. Any exception to the above must be approved by the Heads of the Departments concerned and by the Dean of the Faculty. Students should *not* register for more than 16 hours of academic work, including student teaching, during the semester in which they are enrolled in the PROFESSIONAL BLOCK.

NATIONAL TEACHER EXAMINATIONS

All seniors in teacher education programs are required to take the National Teacher Examinations before graduation. Arrangements will be made by the Education Department.

ED. 141 INTRODUCTION TO EDUCATION (3 hrs.) (School and Society) Introduction to the problems of education, including a survey of the aims, objectives, procedures, and the organization of public education in the United States. Designed to acquaint the student with the needs of the schools, the opportunities for employment, and the importance of education in our democracy. *Required for field of concentration or secondary area in teacher education.* Should be taken in freshman or sophomore year as a foundation for other professional education courses.

ED. 142 PRINCIPLES AND CURRICULUM OF ELEMENTARY EDUCATION (3 hrs.) Deals with the various learning and teaching principles which affect planning for the development and education of the child through the first six grades with an overview of curriculum as it affects the various levels in the elementary program. Specific concerns dealt with are planning with children and parents, carrying out the teaching in the classroom and the community, organizing appropriate activities and materials, and reporting to parents on the child's progress.

ED. 201-202 HUMAN GROWTH AND DEVELOPMENT (3 hrs.) The understanding and appreciation of individual and group development from infancy up to adolescence will be studied during the first semester and adolescence during the second semester; the type of school which best meets the needs and interests of children and youth; observation and first-hand contacts with children will be provided. Freshmen admitted only with instructor's consent.

ED. 301 HISTORY AND PHILOSOPHY OF EDUCATION (3 hrs.) Historical development of modern education, emphasizing the theories and principles of educational philosophers and other leading educators and their impact upon present day theory and practice in the United States and abroad.

ED. 328 PRINCIPLES AND TECHNIQUES OF SECONDARY EDUCATION (3 hrs.) The aims, functions, and curriculum organization of the secondary schools; basic methods, materials and techniques, including evaluation, applicable to modern secondary teaching in junior and senior high schools.

ED. 331 CHILD AND ADOLESCENT PSYCHOLOGY (3 hrs.) See Psychology 331. A course devoted to the study of the psychological development of the child through adolescence.

ED. 332 PSYCHOLOGICAL FOUNDATION OF EDUCATION (3 hrs.) See Psychology 332. A study of the application of psychological principles to the field of Education. Included will be the areas of learning, transfer of training, individual difference, motivation, achievement testing, and the language and communication skills as they apply to education.

ED. 335 EDUCATIONAL TESTS, MEASUREMENT AND EVALUATION (3 hrs.) (Psychology 335.) The course will deal mainly with group testing, with attention to the construction and use of standardized and of *ad hoc* tests. The necessary correlation techniques will be included. Recommended especially for students in secondary education.

ED. 341 LANGUAGE ARTS (3 hrs.) The teaching of skills of reading, listening, speaking and writing as they relate to the total curriculum throughout the elementary program. Strong emphasis on teaching of reading and the integration of the related areas in language arts.

ED. 342 CHILDREN'S LITERATURE IN THE ELEMENTARY SCHOOL (3 hrs) Includes a background of the history of children's literature; familiarity with established and current literature in this area; methods and techniques of using current literature; work with story-telling groups.

ED. 345 SKILLS AND CONTENT METHODS IN ELEMENTARY AREA (3 hrs.) Emphasis on arithmetical skills, including the understanding of fundamental processes; the use of concrete to abstract in number understanding; comparison of different philosophies relating to teaching arithmetic; showing practical application of arithmetical skills in present day society, as they apply to all levels of the curriculum.

ED. 346 SKILLS AND CONTENT METHODS IN ELEMENTARY AREA (3 hrs.) Emphasis on science and social studies including history and geography as approached through the unit study method.

Advantages and limitations of this method. Understanding of these areas in relation to living in our society. Planning curriculum for primary and intermediate levels to bring about understanding of these areas in relation to living in our society.

ED. 365 AUDIO-VISUAL EDUCATION (2 hrs.) Proper utilization of visual and auditory materials and equipment including chalkboards, maps, pictures, slides, motion pictures, television, radio and recordings; where to secure teaching materials. Laboratory experiences with audio-visual materials and equipment. Students who have not completed any professional education courses admitted only with the instructor's consent.

ED. 443 OBSERVATION AND DIRECTED TEACHING IN ELEMENTARY EDUCATION (6 hrs.) Provides students with opportunity to work with the elementary school child at primary and intermediate level for an eight-week period of full-time teaching and observation distributed so as to include a minimum of 200 clock hours of direct teaching responsibilities. Students are required to submit an application for permission to take this course prior to advance registration. This application requests the recommendation of the student's senior counselor. Students should not register for more than sixteen hours of academic work, including student teaching, during the semester that the course is carried. Student teaching is carried on by arrangements with certain public schools and supervised by classroom teachers and a member of the Department of Education. Prerequisite: Education 141, 142, 201-202, and required methods courses in elementary education; concurrent enrollment in Education 301, 346, and Psychology 332.

ED. 475 OBSERVATION AND DIRECTED TEACHING IN SECONDARY EDUCATION (6 hrs.) Observation and teaching in one or more teaching fields in the public secondary schools; participation in other school activities; acquaintance with the role of teachers and principals in the administration of the high schools. *Seminar is required throughout the semester.* Students are required to make application for permission to take this course prior to advance registration. This application requests the recommendation of the student's senior counselor. Students should not register for more than sixteen semester hours of academic work including student teaching during the semester that the course is carried. Prerequisite: Education 141, 202, and 480; concurrent enrollment in Education 301, 328, and Psychology 332.

ED. 480 SPECIAL METHODS IN TEACHING (2 or 3 hrs.) See courses offered in several departments, viz:

Art 480

Biology 480

Chemistry 480
 English 480
 Mathematics 480
 Modern Languages 480
 Music 479, 480
 Physical Education 464, 480
 Physics 480
 Social Science 480

ED. 487-488 INDEPENDENT STUDY IN EDUCATION (1 to 3 hrs.)
 Designed for those students who plan to teach and desire to do independent study in some particular area. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

ENGLISH

AIMS

To teach students to write effectively; to provide them with a knowledge of the major literary works in English; to provide them with standards for the intelligent evaluation of literature.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the department above the freshman level. The following courses must be included: 225-226; 227-228; 391; 485-486. Three hours must be selected from each of the following groups: 325 through 328; 329 through 332; 401 through 404. Two hours of independent study, devoted to preparation of the Senior Essay, must also be included; one of these hours should be taken in the junior year. Prospective secondary school teachers should plan to take 303, 306, and 480. Prospective graduate students should plan to take 354 and 401 or 404. French or German should be elected to meet the graduation requirement in foreign language.

ENG. 101 FRESHMAN COMPOSITION (3 hrs.) Training in the fundamentals of written expression, with emphasis on expository writing.

ENG. 102 FRESHMAN COMPOSITION (3 hrs.) Introduction to literary types and themes, with emphasis upon critical writing; preparation of one or two research papers.

ENG. 141-142 ADVANCED FRESHMAN COMPOSITION (3 hrs.) Freshmen of superior ability and achievement will be assigned to this course instead of to English 101-102. Study of the development of the English language, the principles of rhetoric, and literary types and themes; preparation of several research papers.

ENG. 207 CLASSIC MYTHOLOGY (1 hr.) Study of Greek and Roman myths and their use in Western literature.

ENG. 225-226 MAJOR AMERICAN WRITERS (3 hrs.) Study of the major American writers of the nineteenth and twentieth centuries.

ENG. 227-228 BRITISH LITERATURE (3 hrs.) Chronological study of major British writers and literary trends from the beginnings to the present.

ENG. 303 ADVANCED WRITING (3 hrs.) Intensive training and practice in composition. Emphasis upon the writing of essays and short stories.

ENG. 306 THE ENGLISH LANGUAGE (3 hrs.) Study of the development of English pronunciation, vocabulary, and grammar from Anglo-Saxon to the present. Offered in alternate years. Not offered in 1964-65.

ENG. 325 THE RENAISSANCE, 1485-1660 (3 hrs.) Study of the major poetry and prose of the period, exclusive of the plays of Shakespeare. Emphasis upon the work of Spenser, Sidney, Marlowe, Donne, and Herbert. Offered in alternate years.

ENG. 326 THE NEO-CLASSIC AGE, 1660-1740 (3 hrs.) Study of the major writers of the period. Emphasis upon the work of Dryden, the Restoration dramatists, Pope, Swift, and the periodical essayists. Offered in alternate years. Not offered in 1964-65.

ENG. 327 THE AGE OF JOHNSON, 1740-1800 (3 hrs.) Study of the major writers of the period. Emphasis upon the work of the pre-romantic poets, Johnson, Boswell, Sheridan, Burns, and Blake. Offered in alternate years. Not offered in 1964-65.

ENG. 328 THE ROMANTIC PERIOD, 1800-1850 (3 hrs.) Study of the major prose and poetry of the period. Emphasis upon the work of Wordsworth, Coleridge, Byron, Shelley, Keats, Lamb, and Hazlitt. Offered in alternate years.

ENG. 329 THE VICTORIAN PERIOD, 1850-1900 (3 hrs.) Study of the major poetry and prose of the period. Emphasis upon the work of Tennyson, Browning, and Arnold. Offered in alternate years.

ENG. 331 MODERN DRAMA AND POETRY (3 hrs.) Study of the major playwrights and poets in England and America during the present century.

ENG. 332 MODERN FICTION (3 hrs.) Study of the major novelists and short story writers in England and America during the present century.

ENG. 350-351. THE NOVEL (3 hrs.) Study of the development of the novel from the eighteenth century to the present. Approximately twelve novels will be read each semester.

ENG. 354 CLASSICAL LITERATURE IN TRANSLATION (3 hrs.) Study of Greek and Latin epics and drama, with some attention to works in English which have been influenced by classical literature.

ENG. 355 EUROPEAN LITERATURE IN TRANSLATION (3 hrs.) Study of some of the major European novelists and playwrights, with emphasis upon Russian literature. The period covered extends from the Renaissance to the present. The course emphasizes the theme and content of individual works rather than the development of literary types or national literatures.

ENG. 391 LITERARY CRITICISM (3 hrs.) Study of the value and function of criticism and of various critical approaches to literature from Aristotle to the present. Practical criticism and analysis of poetry and prose. Not offered in 1964-65.

ENG. 401 CHAUCER (3 hrs.) Study of the major poems; some attention to the minor poems and to Chaucer's contemporaries. Offered in alternate years.

ENG. 402-403 SHAKESPEARE (3 hrs.) Study of the major plays; some attention to the non-dramatic poems.

ENG. 404 MILTON (3 hrs.) Study of the major poems; some attention to the prose and to Milton's influence on English literature. Offered in alternate years.

ENG. 480 METHODS OF TEACHING ENGLISH (3 hrs.) Study of the methods and materials used in the teaching of English in secondary schools, with emphasis upon grammar and composition. Offered in alternate years.

ENG. 481 SPECIAL TOPICS IN LITERATURE (2 hrs.) A seminar for the intensive study of a single writer, theme, type, or movement. The topic will vary from semester to semester. Prerequisite: six hours in English above the freshman level. May be repeated for credit. Offered irregularly.

ENG. 485-486 SENIOR SEMINAR (2 hrs.) Intensive reading and research to supplement and correlate the work of other courses.

ENG. 487-488 INDEPENDENT STUDY (1 or 2 hrs.) Independent work in an area of special interest. The plan of study must be outlined by the student and approved by the Head of the Department before registration. May be repeated for credit.

ENG. 491-492 HONORS (1, 2, or 3 hrs.) Advanced independent research in an area of special interest. Students may register for this course only upon recommendation by the Head of the Department. May be repeated for credit.

FOREIGN LANGUAGES

AIMS

To introduce students to the language, literature and culture of France, Germany and the Spanish-speaking countries; to provide training in reading facility for students who are interested in scientific or historical study requiring a foreign language as a "tool subject"; and to give adequate training in language, literature and expression to students who are preparing to be teachers, translators or representatives in foreign service.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN FRENCH, GERMAN, OR SPANISH

A minimum of twenty-four hours in the language, not including French 101-102, German 101-102 or Spanish 101-102, with eighteen hours of upper division. A reading knowledge of one foreign language other than the one chosen as the field of concentration. Students expecting to teach a foreign language must com-

plete Foreign Languages 480. Foreign Languages 425 is required in each field. History 301 and 302 are recommended. Sequence of courses subject to approval of the Senior Counselor.

It may be difficult, if not impossible, to complete the requirements of the present Teacher Training Program at Bethany and a Field of Concentration in this department. The student planning to teach a foreign language is therefore advised to consider the many fine fifth year programs combining "apprentice" teaching and professional education programs and terminating with a M.A.T. (Master of Arts in Teaching). It is also possible to complete the professional education requirements in summer sessions under certain circumstances.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN FOREIGN LANGUAGES

A minimum of eighteen upper division hours in French, German or Spanish; at least six hours on upper division level in a second language; reading knowledge of the third; Foreign Languages 425. Sequence of courses subject to approval of the Senior Counselor.

Any student planning to teach a foreign language in secondary school or in elementary school should have his field of concentration in this department and should plan to secure his minimum professional education requirements for certification either at Bethany or elsewhere.

FRENCH

FR. 101-102 FIRST YEAR FRENCH (3 hrs.) Fundamentals of grammar, pronunciation and composition. Emphasis on audio-lingual approach to develop basic skills of comprehension, speaking, writing, and reading. Two hours' laboratory work per week in addition to three hours' classroom work. For students who have no acquaintance with the language. Not open to students who have had previous instruction in French. Not more than six hours credit can be earned in 101-102 and 103-104.

FR. 103-104 FIRST YEAR FRENCH (REVIEW) (3 hrs.) A review of the fundamentals of grammar, pronunciation and composition for students who have studied French before but who do not make a high enough score on the entrance placement test to admit them to French 201-202. Two hours' laboratory work per week in addition to three hours' classroom work. Not more than six hours credit can be earned in 101-102 and 103-104.

FR. 201-202 INTERMEDIATE FRENCH (3 hrs.) Grammar review, composition, dictation, intensive and extensive reading. Two hours' laboratory work per week in addition to three hours' classroom work. Prerequisite: French 101-102 or a satisfactory standing in an achievement test.

FR. 301-302 CONVERSATION AND COMPOSITION (3 hrs.) Prose, composition, syntax and phonetics; dictation, conversation, recordings. Prerequisite: French 201-202 or permission of the Head of the Department. Offered in alternate years.

FR. 303-304 THE NOVEL (3 hrs.) The French novel from its beginning to the twentieth century. Conducted in French. Prerequisite: A reading knowledge of French. Offered in alternate years. Not offered in 1964-65.

FR. 325-326 MODERN DRAMA (3 hrs.) French drama since the seventeenth century. Conducted in French. Prerequisite: A reading knowledge of French. Offered irregularly. Not offered in 1964-65.

FR. 327-328 HISTORY OF FRENCH LITERATURE (3 hrs.) Survey of French literature from the early periods to the present time. Readings in French from an anthology. Conducted in French. Prerequisite: A reading knowledge of French.

FR. 425 SEVENTEENTH CENTURY DRAMA (3 hrs.) Study of the plays of Corneille, Racine, and Moliere, as representative of the classical spirit in France. Conducted in French. Prerequisite: A reading knowledge of French; French 327-328 recommended. Offered in alternate years.

GERMAN

GER. 101-102 FIRST YEAR GERMAN (3 hrs.) Fundamentals of pronunciation, grammar, reading and composition. Emphasis on audio-lingual approach to develop basic skills of comprehension, speaking, writing, and reading. Two hours' laboratory work per week in addition to three hours' classroom work. For students who have no acquaintance with the language.

GER. 201-202 INTERMEDIATE GERMAN (3 hrs.) Grammar review, composition, dictation, intensive and extensive reading. Two hours' laboratory work per week in addition to three hours' classroom work. Special emphasis on outside reading in student's field of concentration. Prerequisite: German 101-102, or equivalent.

GER. 301-302 CONVERSATION AND COMPOSITION (3 hrs.) Practical conversation, study of syntax, prose, composition and dictation. Wire recording. Registration with the permission of the Head of the Department. Offered in alternate years.

GER. 303-304 NINETEENTH CENTURY (3 hrs.) Reading and critical study of the nineteenth century, especially Kleist, Hebbel, Heine, Keller; Special emphasis on the drama and the Romantic School. Outside readings and reports. Conducted in German. Prerequisite: A reading knowledge of German. Offered in alternate years.

GER. 327-328 HISTORY OF GERMAN LITERATURE IN ENGLISH (3 hrs.) German literature from the Hildebrandslied to the twentieth century. Conducted in English. A reading knowledge of German is desirable, but not essential. Offered irregularly; not offered in 1964-65.

GER. 427-428 EIGHTEENTH CENTURY LITERATURE (3 hrs.) Readings from the works of Lessing, Goethe and Schiller. Conducted in German. Prerequisite: A reading knowledge of German. Outside reading and reports. Offered irregularly. Not offered in 1964-65.

GREEK

Students wishing to study Greek language and literature should enroll in F. L. 487-488. See also, however, RELIGION 311-312 and 411-412, BEGINNING and INTERMEDIATE NEW TESTAMENT GREEK.

LATIN

Students wishing to study Latin language and literature should enroll in F.L. 487-488.

SPANISH

SPAN. 101-102 FIRST YEAR SPANISH (3 hrs.) Fundamentals of pronunciation, grammar, reading and composition. Emphasis on audio-lingual approach to develop basic skills of comprehension, speaking, writing, and reading. Two hours' laboratory work per week in addition to three hours' classroom work. For students who

have no acquaintance with the language. Not open to students who have had previous instruction in Spanish. Not more than six hours credit total can be earned by any combination of 101-102 and 103-104.

SPAN. 103-104 FIRST YEAR SPANISH (REVIEW) (3 hrs.) A review of the fundamentals of grammar, pronunciation and composition for students who have studied Spanish before but who do not make a high enough score on the entrance placement test to admit them to Spanish 201-202. Two hours' laboratory work per week in addition to three hours' classroom work. Not more than six hours credit can be earned by any combination of 101-102 and 103-104.

SPAN. 201-202 INTERMEDIATE SPANISH (3 hrs.) Grammar, oral work and reading. Practice in dictation, writing and speaking. Reading of modern prose and plays. Two hours' laboratory work per week in addition to three hours' classroom work. Prerequisite: Spanish 101-102 or equivalent.

SPAN. 301 CONVERSATION (3 hrs.) Conversation, dictation, recordings and composition. Prerequisite: Spanish 201-202 or equivalent. Not offered in 1964-65.

SPAN. 312 ADVANCED COMPOSITION AND CONVERSATION (3 hrs.) Special attention to Latin American civilization. Particular emphasis on business and commercial Spanish. Prerequisite: Spanish 201-202, 301 or equivalent. Not offered in 1964-65.

SPAN. 327-328 SURVEY OF SPANISH LITERATURE (3 hrs.) A general survey of Spanish and Spanish-American literature. Literary masterpieces by representative authors of the classical period, the nineteenth century and contemporary literature. Lectures, readings, and reports. Prerequisite: Spanish 201-202 or permission of the Head of the Department. Offered in alternate years. Not offered in 1964-65.

SPAN. 427-428 SPANISH LITERATURE IN THE NINETEENTH CENTURY (3 hrs.) Development of the drama and novel of the nineteenth century through works of such dramatists as Los Quinteros and Benavente and such novelists as Alarcon, Pereda, Perez, Galdos and Palacio Valdes. Conducted in Spanish. Prerequisite: A reading knowledge of Spanish.

FOREIGN LANGUAGES

F.L. 425 LINGUISTIC DEVELOPMENT OF FOREIGN LANGUAGES (3 hrs.) An introduction to comparative philology. The development of English, French, German and Spanish from the Indo-European to modern times. Required of all majors in the department. Open to other students with the permission of the Head of the Department. Offered in alternate years. Not offered in 1964-65.

F.L. 450 FOREIGN AREA STUDY (6 hrs.) The Bethany College European Seminar. Independent Study in Europe during summer in various fields of The Liberal Arts, e.g., Art, Architecture, Languages, Literature, History, Comparative Education. Written Reports; Lectures at Foreign Universities; Study of Cultural, Historical Monuments under European Faculty. Registration for credit optional.

F.L. 478 SEMINAR (3 hrs.) Intensive, integrated study in field of concentration. Geography, history, government, education, science, press, art and music of French, German or Spanish-speaking countries. Required of students selecting a Field of Concentration in Foreign Languages.

F.L. 480 METHODS AND MATERIALS IN TEACHING FOREIGN LANGUAGES (3 hrs.) Study of methods, classroom materials, extra-curricular activities necessary for the teacher of French, German, or Spanish. Special emphasis on the Audio-Lingual Techniques and Language Laboratory.

F.L. 487-488 INDEPENDENT STUDY IN FOREIGN LANGUAGES (1 to 3 hrs.) Designed for those students interested in Foreign Languages who desire to do independent study in some special field. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

F.L. 491-492 HONORS COURSE (1 to 3 hrs.) Minor research studies. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in Foreign Languages who are seniors of superior ability and achievement. Permission of the Head of the Department required.

GEOGRAPHY AND GEOLOGY

GEOG. 201 PRINCIPLES OF GEOGRAPHY (3 hrs.) The general principles of the science including earth origins, the results of the dynamic geological agencies tending to change its surface. Practical work in mineralogy, physiography and stratigraphy is required during the course.

GEOG. 302 WORLD GEOGRAPHY (3 hrs.) A study of the physical, social and political geographic factors of the world today. Recent changes in Europe, Asia and Africa will be stressed. Offered in alternate years.

GEOL. 204 HISTORICAL GEOLOGY (3 hrs.) The history of the earth as revealed by its strata. Laboratory and field study of the common fossil and local formations.

HISTORY AND POLITICAL SCIENCE

AIMS

To present the origin and development of institutions and ideas; to point out the great traditions that are molding our thought and action today; and to gain a better perspective of our political, economic, and social life. The courses in Political Science are intended to acquaint the student with the political institutions and political problems in the United States and the world today.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Twelve hours in European or World History, twelve hours in American History, six hours in Political Science, and History 477-478.

EUROPEAN AND WORLD HISTORY

HIST. 301-302 MODERN EUROPEAN HISTORY (3 hrs.) A survey of European civilization from the sixteenth century to the present.

HIST. 305 EUROPEAN ECONOMIC HISTORY (3 hrs.) A survey of the economic development of Europe from the pre-industrial era to the present, with emphasis on the forces that have contributed to present-day European institutions and conditions. Offered in alternate years. Not offered in 1964-65.

HIST. 308 EUROPE FROM 1914 TO 1945 (3 hrs.) A detailed study of political and military history from the beginning of the First World War to the end of the Second World War.

HIST. 325 THE HISTORY OF ENGLAND (3 hrs.) English institutions and the English people from the ninth to the early twentieth centuries. Offered in alternate years.

HIST. 366 HISTORY OF THE FAR EAST (3 hrs.) A survey of the history and civilization of India, China, Japan and other countries of the Orient. Offered in alternate years.

HIST. 367 or 368 RUSSIA SINCE 1917 (3 hrs.) The Russian Revolution, political and economic development, and Russian foreign policy. Offered occasionally.

HIST. 427 ANCIENT CIVILIZATION (3 hrs.) A history of the Near East, Greece, and Rome to the fourth century A.D. Offered in alternate years. Not offered in 1964-65.

HIST. 428 THE MIDDLE AGES (3 hrs.) European civilization from the fourth to the fifteenth centuries. Offered in alternate years. Not offered in 1964-65.

HIST. 429 WORLD HISTORY SINCE 1945 (3 hrs.) The outstanding international events since the end of the Second World War. American foreign policy and Russo-American relations will be emphasized. Offered in alternate years.

HIST. 477-478 SEMINAR IN HISTORY (1 hr.) A study of sources, materials, historical criticism and interpretations of history. Required of all students with a Field of Concentration in History and Political Science.

AMERICAN HISTORY

HIST. 201-202 UNITED STATES HISTORY (3 hrs.) The political, economic and social growth of America. First semester covers the period of exploration to 1865; second semester covers from 1865 to the present day.

HIST. 225 WEST VIRGINIA HISTORY, GOVERNMENT AND GEOGRAPHY (3 hrs.) The history of the western section of Virginia to the Civil War and the history and government of West Virginia to the present day. The physical, political and social geography of the state will be included.

HIST. 303 AMERICAN ECONOMIC HISTORY (3 hrs.) A study of the historical growth and institutional character of the United States economy from the colonial period to the present day. Offered in alternate years.

HIST. 341 THE DEVELOPMENT OF THE AMERICAN NATION (3 hrs.) A history of the United States from 1828 to 1860. This course considers the rise of Jacksonian Democracy, the effects of that movement and the coming of the Civil War. Offered in alternate years.

HIST. 342 THE AGE OF BIG BUSINESS (3 hrs.) The political, social, and economic history of the United States from 1865 to 1914. Emphasis is placed on the growth of industrialism during this period and the resulting attempts at social reform. Offered in alternate years.

HIST. 423 or 424 TWENTIETH CENTURY AMERICA (3 hrs.) An intensive study of political and economic developments in the United States from Wilson to Roosevelt's third term. Not offered in 1964-65.

HIST. 425 CONTEMPORARY UNITED STATES HISTORY (3 hrs.) A study of the political, economic and diplomatic history of the United States during the Second World War and the postwar period. Not offered in 1964-65.

HIST. 426 LATIN AMERICAN HISTORY (3 hrs.) A cultural and political history of Central and South America with emphasis on the period since 1890. Offered in alternate years. Not offered in 1964-65.

HIST. 433 or 434 COLONIAL AMERICA (3 hrs.) A study of the English colonies in America including the Revolutionary War. Not offered in 1964-65.

HIST. 487-488 INDEPENDENT STUDY IN HISTORY (1 or 2 hrs.) Designed for those students interested in any period or phase of history not covered by a regular course. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

HIST. 491-492 HONORS COURSE (1 or 2 hrs.) Advanced projects and minor research studies in history and political science. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in History who are seniors of superior ability and achievement. Permission of the Head of the Department required.

POLITICAL SCIENCE

POL. SCI. 225 AMERICAN NATIONAL GOVERNMENT (3 hrs.) A study of the principal institutions and processes of the national government. Particular attention is given to the Constitution, the President, Congress, the Supreme Court, and political parties and pressure groups.

POL. SCI. 226 STATE AND LOCAL GOVERNMENT (3 hrs.) A study of the government and politics of states and localities. Attention is given to intergovernmental relations, structure and organization, and functions and problems.

POL. SCI. 327 MODERN POLITICAL THOUGHT (3 hrs.) A survey of political philosophy from Machiavelli to the present. A special effort is made to relate the principal themes in modern political thought to contemporary politics. Offered in alternate years.

POL. SCI. 328 COMPARATIVE GOVERNMENT (3 hrs.) A comparative study of the governments of the major powers of Europe, including Great Britain, France, the German Federal Republic, and the Soviet Union. Offered in alternate years.

POL. SCI. 339 AMERICAN POLITICAL PARTIES (3 hrs.) A study of major and minor political parties in the United States. Attention is given to the functions, history, structure, tactics, and financing of political parties in a democratic system. Classroom work is supplemented by field work involving observation of party headquarters and political campaigns. Prerequisite: Pol. Sci. 225 or 226 or Hist. 201-202 or consent of the department head.

POL. SCI. 340 PRESSURE GROUPS AND PUBLIC OPINION (3 hrs.) A study of pressure groups and public opinion and their place in American politics. Attention is given to the nature, forms, and significance of pressure groups and public opinion. A special attempt is made to examine the group theory of politics and the manipulation of public opinion. Prerequisite: Pol. Sci. 225 or 226 or Hist. 201-202 or consent of the department head.

POL. SCI. 365 AMERICAN FOREIGN RELATIONS (3 hrs.) A study of the relations of the United States with foreign powers. Primary emphasis is placed on political factors in the making of foreign policy and the various institutional aspects of the subject. Offered in alternate years. Not offered in 1964-65.

POL. SCI. 366 INTERNATIONAL ORGANIZATION (3 hrs.) A study of the principles, purposes, and forms of international organization

in the twentieth century. Primary attention is given to the United Nations. Offered in alternate years. Not offered in 1964-65.

POL. SCI. 371 MUNICIPAL GOVERNMENTS (2 hrs.) A study of city origins and governmental development with special reference to current city and metropolitan administration. Not offered in 1964-65.

POL. SCI. 401-402 PRACTICA IN POLITICAL SCIENCE (1 hr.) Each practicum involves some limited classroom work and a field trip to the national capital, or the capital of a state. Students observe the daily operations of government, particularly those of the executive and legislative branches. Prerequisite: Pol. Sci. 225 and Pol. Sci. 226 or consent of the department head.

POL. SCI. 480 INTERNSHIP IN PRACTICAL POLITICS (3 hrs.) Students enrolled in this course work as interns in the offices of political parties or pressure groups for a period of six weeks during the summer months. Open to students only on the basis of special application and selection by a faculty committee.

POL. SCI. 481 SEMINAR FOR INTERNS IN PRACTICAL POLITICS (3 hrs.) A course designed especially for students in the summer intern program. Students present papers based on their summer experience and the instructor supplements this work with additional relevant materials. Required of all students enrolled in Pol. Sci. 480.

POL. SCI. 487-488 INDEPENDENT STUDY IN POLITICAL SCIENCE (1 or 2 hrs.) Individual investigation in some field of government chosen by the student with the approval of the head of the department. Open to students especially interested in government.

JOURNALISM

AIMS

To provide training for students preparing to do (1) newspaper or magazine work, (2) free-lance or professional writing, (3) public relations work, (4) preparation of advertising material, (5) direction of high school or college publications.

JOURN. 301 INTRODUCTION TO MASS COMMUNICATIONS (3 hrs.) Philosophy of communications. Role of mass media in modern society. Offered in alternate years. Not offered in 1964-65.

JOURN. 302 HISTORY OF JOURNALISM. (3 hrs.) History of the newspapers, magazines, radio, television. Offered in alternate years. Not offered in 1964-65.

JOURN. 303 REPORTING (3 hrs.) Techniques and values of news reporting and news writing; emphasis upon learning to write forcefully and distinctively; writing of daily news stories.

JOURN. 304 FEATURES (3 hrs.) Writing special articles for newspapers, magazines and trade journals.

JOURN. 325 ADVERTISING (3 hrs.) Principles, study of media, markets and merchandising. Advertising Agencies and personnel. Evaluation of the field.

JOURN. 326 ADVANCED ADVERTISING (3 hrs.) A study of advertising copy, journals, research and production.

JOURN. 355 ADVANCED FEATURES (3 hrs.) The slanting of articles toward specific magazines, and the submission of articles to editors for possible publication. Offered in alternate years; not offered in 1964-65.

JOURN. 367 CREATIVE WRITING (3 hrs.) (English 304) An advanced writing course. Intensive practice in essays and fiction. Offered in alternate years.

JOURN. 415 INTRODUCTION TO PUBLIC RELATIONS (3 hrs.) The function of public relations in modern society, and the principles underlying its successful application.

JOURN. 426 APPLIED PUBLIC RELATIONS (3 hrs.) Case studies of actual public relations programs; initiation and development of one such program, and a thorough study of one field of public relations to be selected by the student.

JOURN. 435-436 SCHOOL PUBLICATIONS (1-3 hrs.) Editorial and typographical problems of yearbooks, newspapers, handbooks, magazines, and other material. Laboratory work will include work on one of the Bethany student publications.

JOURN. 487-488 INDEPENDENT STUDY. (1 to 3 hrs.) Designed for students who are planning a career in reporting, feature writing, advertising or public relations. A continuation of work already begun, subject to consultation with the Head of Department.

JOURN. 491-492 HONORS COURSE (1 to 3 hrs.) A major project for superior senior students who excel in any special field of journalism. A major assignment involving adequate research.

LIBRARY SCIENCE

LIB. SCI. 221 INTRODUCTION TO CATALOGING AND CLASSIFICATION (2 hrs.) Planned to familiarize the prospective library school student with the theory and routines of cataloging and classification. The work is primarily a laboratory course supplemented by classroom lectures.

LIB. SCI. 222 INTRODUCTION TO LIBRARY SCIENCE (2 hrs.) Emphasis is placed upon reference, circulation, and bibliographic services. The student is introduced to the public service aspects of the general library and assigned practical problem work to supplement lectures and reading assignments.

LIB. SCI. 487-488 INDEPENDENT STUDY IN LIBRARY SCIENCE (1-3 hrs.) Designed for those students who plan to take graduate work in Library Science. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

MATHEMATICS

AIMS

To provide the general student with a knowledge of the mathematical foundation of our civilization, to give the prospective teacher an understanding and appreciation of the fundamental ideas of elementary mathematics; to provide a tool for the technical student; and to give the prospective graduate student a foundation for later study and research.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MATHEMATICS

A minimum of twenty-four hours in the department, including Mathematics 201-202, and at least twelve hours of upper division level which should include Mathematics 303-304. Students interested in mathematics as a teaching subject should elect Mathematics 325 and 326. Students interested in science and engineering should elect Mathematics 425 and 428. Students interested in economics should elect Mathematics 327 and 328. Two courses in the department should be taken in the senior year. Sequence of courses subject to approval of the Senior Counselor.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN APPLIED MATHEMATICS

Option I (Physics, and/or Chemistry). A minimum of thirty-three hours with at least eighteen hours in the Department of Mathematics which must include Mathematics 201-202, 425 and 428, and fifteen hours in the Department of Physics and/or Chemistry which should include Physics 301-302, and Chemistry 439-440. Recommended courses include Mathematics 303-304, Physics 303-304, Physics 365-366, and Chemistry 201 or 202, 301-302. Sequence of courses subject to approval of the Senior Counselor.

Option II (Economics). A minimum of thirty-three hours with at least eighteen hours in the Department of Mathematics which must include Mathematics 201-202, 327, 328, and fifteen hours in the Department of Economics which must include Economics 265-266, 325, 329, 425. Recommended courses include Mathematics 303-304 and Economics 365. Sequence of courses subject to approval of the Senior Counselor.

MATH. 101 MATHEMATICAL ANALYSIS (3 hrs.) Plane trigonometry, logarithms and slide rule; linear and quadratic equations; inequalities, progressions and binomial theorem; mathematical induction; analytic geometry of the straight line; determinants. Students enrolling in this course who rank low in the mathematics achievement test for freshmen will be required to attend a special laboratory section until their deficiency is corrected.

MATH. 102 MATHEMATICAL ANALYSIS (3 hrs.) Polar coordinates; DeMoivre's theorem; theory of equations; permutations and combinations; the analytical geometry of second degree curves; quadric surfaces; applications of analytical methods and an introduction to derivative. Prerequisite: Mathematics 101 or three units of mathematics at the secondary school level, including trigonometry and high standing in the mathematics achievement test for freshmen.

MATH. 151 FINITE MATHEMATICS (3 hrs.) Introduction to concepts occurring in modern mathematics. Symbolic logic and truth tables, set theory, vectors and matrix theory, binomial theorem and probability theory, linear programming and game theory. This course includes a review of algebra and is designed especially for the non-science student.

MATH. 191 ADVANCED MATHEMATICAL ANALYSIS (3 hrs.) Review of algebra, logarithms and trigonometric identities. Analytic geometry of the straight line. Set theory, field postulates, inequal-

ities, congruences and Diophantine equations. Progressions, finite differences, mathematical induction. Probability, mean and standard deviation. Delta-process and an introduction to the derivative with applications. This course is designed for Freshmen who rank high in the placement test in addition to four years of high school mathematics including trigonometry.

MATH. 192 ADVANCED MATHEMATICAL ANALYSIS (3 hrs.) Polar coordinates, complex numbers, DeMoivre's theorem. Roots of an equation, Newton's theorem of approximation. Conic sections, translation and rotation of axes. Space coordinates, equation of the plane, quadric surfaces, method of least squares, matrix theory and determinants. Prerequisite: Mathematics 191.

MATH. 201-202 DIFFERENTIAL AND INTEGRAL CALCULUS (3 hrs.) Technique of differentiation and integration with applications and an introduction to infinite series. Prerequisite: Mathematics 101-102 or Mathematics 191-192.

MATH. 226. MATHEMATICS FOR TEACHERS (2 hrs.) A study of the fundamental principles, concepts, and methods of teaching arithmetic. A course designed to acquaint students with the basic mathematics necessary for teaching in the elementary field. Offered in alternate years. Not offered in 1964-1965.

MATH. 241 ENGINEERING DRAWING (3 hrs.) Free-hand lettering; orthographic projection, including sections and auxiliary views; dimensioning; isometric and oblique projections with emphasis on working drawings. Standard symbols and convention. Ink and pencil tracings. Offered in alternate years.

MATH. 242 DESCRIPTIVE GEOMETRY (3 hrs.) Principles of projections; non-metric and metric problems; plane sections and developments; intersections of surfaces; construction of perspective drawings. This course achieves an effective correlation between descriptive and analytic geometry by presenting both the graphic and the algebraic methods. Offered in alternate years.

MATH. 244 PLANE SURVEYING (3 hrs.) Care and use of surveying instruments; field problems; computation and mapping. One hour class and four hours field work each week. Offered in alternate years. Not offered in 1964-1965.

MATH. 303-304 ADVANCED CALCULUS (3 hrs.) Theory of the derivative and the definite integral; partial differentiation and its applications; Green's and Stoke's theorems; power series; Fourier series; vector notation; complex variable. Prerequisite: Mathematics 201-202. Offered in alternate years.

MATH. 325 INTRODUCTION TO HIGHER ALGEBRA (3 hrs.) Theory of equations; solution of cubic, quartic, and numerical equations; congruences and Diophantine equations; complex numbers and an introduction to the fundamental concepts of algebra—class, group, field, number. Prerequisite: Mathematics 201-202. Offered in alternate years.

MATH. 326 INTRODUCTION TO MODERN GEOMETRY (3 hrs.) Euclidean and non-Euclidean geometries; an introduction to synthetic projective geometry; the concept of limit and infinity; geometrical constructions, recent developments and theorems. Prerequisite: Mathematics 201-202. Offered in alternate years.

MATH. 327 MATHEMATICS OF STATISTICS (3 hrs.) Frequency distributions; measures of central tendency; dispersion and correlation; regression equations and the theory of probability. Sampling techniques and applications of the chi-square, t-, and F distributions. Prerequisite: Mathematics 201-202. Offered in alternate years.

MATH. 328 MATHEMATICS OF FINANCE AND INVESTMENT (3 hrs.) The operation of interest and annuities; amortization of debts and sinking funds; valuation of bonds; the experience table and calculation of premiums for life insurance. Prerequisites. Mathematics 101, Economics 201-202.

MATH. 329 SPACE GEOMETRY (3 hrs.) Advanced methods and problems of analytic geometry of two and three dimensions; the general equation of the second degree; poles and polars; quadric surfaces; determinants. This course includes the concepts of elements at infinity, homogeneous coordinates, line coordinates, cross ratio, transformations, and complex elements. Prerequisite: Mathematics 201-202. Offered in alternate years. Not offered in 1964-1965.

MATH. 341 VECTOR ANALYSIS (3 hrs.) Elementary operations, scalar and vector products, gradient, operator, differentiation formulas, divergence and curl, integration, line integral, work and potential, surface integrals, reciprocal systems, general coordinates, applications. Prerequisite: Mathematics 201-202. Offered in alternate years. Not offered in 1964-1965.

MATH. 402 THEORY OF PROBABILITY (3 hrs.) Basic course on the mathematical theory of probability. Combinatorial analysis, binomial coefficients, and Stirling's formula. Poisson distribution, law of large numbers and limit theorems. Offered in alternate years.

MATH. 425 or 426 DIFFERENTIAL EQUATIONS (3 hrs.) Methods of solution of ordinary differential equations and their applications to the physical sciences. Prerequisite: Mathematics 201-202.

MATH. 428 APPLIED MATHEMATICS (3 hrs.) Applications of ordinary and partial differential equations to problems in physics, chemistry and electricity; vibrating string and heat flow problems; vector calculus and applications. Prerequisite: Mathematics 425. Offered in alternate years.

MATH. 477 or 478 SEMINAR IN MATHEMATICS (1 to 3 hrs.) Special reports prepared and presented by the students under supervision. The work of the second semester will help prepare the student for the comprehensive examination. Required of all students concentrating in the Field of Mathematics. Open only to seniors.

MATH. 479 or 480 METHODS AND MATERIALS IN TEACHING MATHEMATICS (2 or 3 hrs.) Approved methods in teaching mathematics at the secondary level; class period activities of the teacher; procedures and devices in teaching; organization of materials, testing, aims, and modern trends. Open only to juniors and seniors who expect to teach. Offered in alternate years.

MATH. 487-488 INDEPENDENT STUDY IN MATHEMATICS (1 to 3 hrs.) Designed for those students especially interested in Mathematics who desire to do independent study in some special field. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

MATH. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced projects and minor research studies. Enrollment limited to students concentrating in Mathematics who are seniors of superior ability and achievement. Permission of the Head of the Department required.

MUSIC

AIMS

To promote understanding and appreciation of works of musical art of generally recognized excellence in relation to cultural conditions of their respective periods through integrated study of music theory, history, literature and performance; to provide the college community with stylistically sound performances of good works; to provide thorough basic training in musicianship on the pre-professional level; to provide a program of study leading to

certification in public school music; to provide a program of study leading to the development of skills useful in administering a program of church music.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MUSIC LITERATURE

Students may elect a field of concentration in music literature or in music education. Requirements for concentration in music literature include Music 143-144, 303,304, 343-344, 327-328, twelve hours in the 341-366 sequence, Music 478, and a minimum of ten hours of applied music. Only 2-4 hours of applied music may be in ensemble credit, at the discretion of the Head of the Department.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MUSIC EDUCATION

Requirements for concentration in music education include Music 143-144, 303-304, 327-328, 6 hours in the 341-366 sequence, Music 478, 439, 422, 479, 480, and a minimum of 12 hours in applied music. Four hours of applied music may be in 121-122 class instruments, and 2 hours may be in 125 (ensemble).

All students pursuing a curriculum in music will enroll in Music 125 with or without credit, except for students in the Professional Block semester in Education. All music concentration students are expected to attend college-sponsored events including musical performance.

LITERATURE AND THEORY OF MUSIC

MUS. 101 INTRODUCTION TO MUSIC AS AN ART AND SCIENCE (2 hrs.) The elements of tonal relationships, simple rhythms, intervals, melodies in both major and minor modes; designed to give the student the ability to recognize, reproduce and record simple melodic and rhythmic patterns.

MUS. 143-144 THEORY I, II (3 hrs.) The theoretical subject fields—harmony, keyboard harmony, sight singing, dictation, ear training,—are combined in one interrelated course. A study is made of the primary chords and those secondary chords which are most common in classical literature. Inversions are studied as the need presents itself in writing a smooth bass line. Written work covered by the end of the year will include harmonization of melody and figured bass, use of triads, dominant seventh and ninth chords with inversions, modulations of near-related keys, and harmonic analysis.

Sight singing, dictation and ear training help the student clarify and crystallize on paper what he hears. In keyboard harmony melodies are given accompaniments, modulation to all keys by various means, simple transposition.

MUS. 303-304 THEORY III, IV (3 hrs.) The work of the first year is continued but includes ninth chords, secondary sevenths, altered chords. Analysis and keyboard work. In the second semester more emphasis on the study of contrapuntal techniques, written and analyzed. Stylistic analysis of representative masterpieces of all periods. Four hours a week, both semesters. Not offered in 1964-1965.

MUS. 327-328 MUSIC HISTORY (2 hrs.) The historical significance of the main periods and types of music. Requires some technical background. Not offered in 1964-1965.

MUS. 341 SYMPHONIC LITERATURE (3 hrs.) Aural examination and analysis supplemented with collateral reading of the literature of music written for symphony orchestra from mid-18th century until c. 1910. No technical prerequisites, but previous completion of Fine Arts 201 is desirable. Offered in alternate years. Not offered in 1964-1965.

MUS. 342 THE OPERA (3 hrs.) A history of the opera from 1600 to the present with detailed study of a few representative operas in their entirety from recordings and scores. No technical prerequisites, but previous completion of Fine Arts 201 is desirable. Offered in alternate years. Not offered in 1964-1965.

MUS. 343 COUNTERPOINT (2 hrs.) Basic principles of writing two, three, and four-voice counterpoint, and their application in the smaller forms of composition. (Fall Semester).

MUS. 344 ORCHESTRATION (2 hrs.) A course in arranging music for various types of instrumental ensembles. (Spring Semester).

MUS. 365 MUSIC OF THE BAROQUE ERA (3 hrs.) A study, largely aural, of representative works from the 17th and early 18th centuries with special emphasis on Bach and Handel. Collateral historical and biographical reading.

MUS. 366 CONTEMPORARY MUSIC (3 hrs.) Aural study of representative works in various media written since c. 1910. Collateral reading of biographical and critical material.

MUS. 379 HYMNOLOGY (2 hrs.) A survey of the hymn literature of the Protestant Church, with consideration of literary, sociological, and religious forces affecting the creation of hymn poetry and hymn tunes.

MUS. 380 CHURCH MUSIC (2 hrs.) Study of goals, problems, and methods pertinent in the administration of a program of church music. Opportunities for practical experience and the solution of problems in a typical church music program are afforded members of the class.

MUS. 422 INSTRUMENTAL CONDUCTING (2 hrs.) The techniques of the baton and the different problems to be met in conducting orchestra and band; the introduction to score reading; an opportunity for experience through the conducting of the college instrumental groups. Offered only to advanced groups. Not offered in 1964-1965.

MUS. 439 CHORAL CONDUCTING (2 hrs.) The technique of the baton and the different problems to be met in conducting chorus; the introduction to score reading; an opportunity for experience through the conducting of the college choral groups. Offered only to advanced students. Not offered in 1964-1965.

MUS. 478 SEMINAR (1 hr.) Survey and review of the field of music; its history, theory and literature. Required of all students concentrating in the field of Music. Open only to seniors.

MUS. 479 MUSIC EDUCATION (3 hrs.) (Methods and materials of Teaching Music in the Elementary Schools.) Consideration of the aims and values of elementary school music with opportunities to develop teaching techniques, and to become familiar with the standard materials.

MUS. 480 MUSIC EDUCATION (3 hrs.) (Methods and Materials in Teaching Music in the Secondary Schools.) Analysis of music offered in senior and junior high schools throughout the United States. Consideration of problems, objectives and materials in teaching vocal and instrumental music, theory and appreciation courses in secondary schools. Opportunities for developing practical teaching projects.

MUS. 487-488 INDEPENDENT STUDY IN MUSIC (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. The field of study may be selected by the student interested, subject to the approval of the Head of the Department, according to interest in Music and future needs.

MUS. 491-492 HONORS COURSE (1 to 3 hrs.) Projects and minor research studies in special fields of music, or creative work of an advanced nature. Enrollment limited to students concentrating in Music who are seniors of superior ability and achievement. Permission of the Head of the Department required.

APPLIED MUSIC*

MUS. 121a-122a CLASS STRINGS (1 hr.) Class instruction in the basic techniques of stringed instruments. Required of all students with a concentration in Music Education.

MUS. 121b CLASS INSTRUCTION IN BRASS INSTRUMENTS (1 hr.) Required of all students with a concentration in Music Education.

MUS. 122b CLASS INSTRUCTION IN WOODWIND INSTRUMENTS (1 hr.) Required of all students with a concentration in Music Education.

MUS. 125a-126a CONCERT CHOIR (1 hr. per year) The preparation for concert performance of standard choral literature, both sacred and secular. A group of not more than 36 carefully selected, mixed voices. Enrollment by audition.

MUS. 125b-126b MALE CHORUS (1 hr. per year) The study and performance of concert repertoire for male voices. Membership is limited; enrollment by audition.

MUS. 125c-126c ORCHESTRAL ENSEMBLE (1 or 2 hrs.) The study and performance of standard orchestral or chamber literature with occasional public performances.

MUS. 125d-126d BRASS CHOIR (1 hr. per year) The study and performance of baroque and contemporary music for brass instruments. Enrollment by audition.

MUS. 125e-126e BAND (1 hr. per year) An ensemble of wind and percussion instruments which plays for festive and athletic events of the college. Enrollment by approval of the director.

MUS. 125f-126f WHEELING SYMPHONY ORCHESTRA (1 hr. per year) Participation in the Wheeling Symphony Orchestra in regular concerts and rehearsals. Enrollment by audition.

*Courses in applied music may be repeated for credit.

MUS. 141a-142a ORGAN (1 or 2 hrs.) Technique, theory and literature of the organ. Open to all students who have had some training in either piano or organ. Private lessons. Enrollment by permission of the instructor.

MUS. 141b-142b PIANO (1 or 2 hrs.) Literature and technique of piano playing designed to develop in the students a discriminating appreciation of fine music and fine musical performance. Private lessons. Enrollment by permission of the instructor.

MUS. 141c-142c STRINGS (1 or 2 hrs.) Private lessons in violin, viola, cello or bass. Course open to beginners as well as to students with previous training. Enrollment by permission of the instructor.

MUS. 141d-142d VOICE (1 or 2 hrs.) Vocal technique, theory and literature. Open to all students who have adequate native ability with or without previous vocal training. Private lessons. Enrollment by permission of the instructor.

MUS. 141e-142e WIND INSTRUMENTS (1 or 2 hrs.) Private lessons in basic brass and woodwind instruments. Open to beginners as well as to students with previous training. Enrollment by permission of the instructor.

MUS. 301a-302a ADVANCED ORGAN (1 or 2 hrs.) Open only to students who can demonstrate satisfactorily their ability to play compositions equivalent in difficulty to the following: Bach—G minor Fugue (The Little); D minor Toccata and Fugue; or Widor—Toccata from Symphony V. Private lessons. Enrollment by permission of the instructor.

MUS. 301b-302b ADVANCED PIANO (1 or 2 hrs.) Open only to more advanced students who can demonstrate satisfactorily their ability to perform compositions equivalent in difficulty to the following: Beethoven Op. 27 No. 2; Bach—Preludes and Fugues Nos. 2 and 21 (Vol. 1). They will be expected to perform in public recitals from time to time. Private lessons. Enrollment by permission of the instructor.

MUS. 301c-302c ADVANCED STRINGS (1 or 2 hrs.) Open only to students who are able to play satisfactorily music equivalent in difficulty to the Kreutzer Etudes and DeBeriot Concertos for violin. Public performance required. Private lessons. Enrollment by permission of the instructor.

MUS. 301d-302d **ADVANCED VOICE** (1 or 2 hrs.) Open only to students who have completed four semesters of voice study, can read at sight, have adequate use of at least one modern foreign language, and can demonstrate the ability to perform numbers equivalent in difficulty to standard operatic and lieder literature. Public performance required. Private lessons. Enrollment by permission of the instructor.

PHILOSOPHY

AIMS

To develop independent thinking on the part of the student; to acquaint the student with the great questions and answers of our philosophical heritage; to develop the student's ability to define issues, sustain arguments and evaluate evidence. In short, to teach the student to philosophize; with the hope that, by detailed analysis and disciplined speculation, the student will find the basis for developing an intelligible order in his life.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of twenty-four hours in the department including Philosophy 353-354.

PHIL. 201 **INTRODUCTION TO PHILOSOPHY** (3 hrs.) An introductory exploration of five or six of the major problems of knowledge, existence, and value, chiefly through an examination of the proposed solutions found in writings of important philosophers ranging from the age of Plato to contemporary times.

PHIL. 202 **ETHICS** (3 hrs.) The theory of the moral life as developed in the history of western thought and applied to personal and social problems; an analysis of the grounds, principles, and consequences of different ethical theories, as to accuracy, consistency, and the possibility of putting them into practice.

PHIL. 353-354 **HISTORY OF PHILOSOPHY** (3 hrs.) Western philosophical thought from the seventh century B.C. to modern times. The first semester will be devoted to a study of ancient and medieval philosophers. The second semester will begin with the Renaissance.

PHIL. 365 REFLECTIVE THINKING (3 hrs.) Deductive and inductive reasoning; practice in the detection of logical fallacies. Offered in alternate years. Not offered in 1964-1965.

PHIL. 369 SOCIAL PHILOSOPHY (3 hrs.) An inquiry into the structures of order in society and the nature of social process. Special attention to communism, fascism, conservatism, and socialism. Offered in alternate years. Not offered in 1964-1965.

PHIL. 373 PHILOSOPHY OF RELIGION (3 hrs.) An inquiry into the general subject of religion from a philosophical point of view. Offered in alternate years.

PHIL. 378 AESTHETICS (3 hrs.) A consideration of the principal systems of aesthetics; foundations of aesthetic perception and judgment; interpretation of the creative activity of the artists, the work of art, and the contemplation and criticism of art objects; including music and the visual and literary arts. Offered in alternate years.

PHIL. 402 CONTEMPORARY PHILOSOPHY (3 hrs.) Western philosophical thought since 1900; beginning with Bradley, Bergson, Moore, and Russell, and continuing with other representatives of several recent and contemporary philosophical tendencies.

PHIL. 405 or 406 AMERICAN PHILOSOPHY (3 hrs.) The development of philosophical ideas in the United States from colonial times to the present.

PHIL. 477-478 SEMINAR IN PHILOSOPHY (2 hrs.) Intensive examination of the perspective of one great Western philosopher. Permission of instructor required.

PHIL. 487-88 INDEPENDENT STUDY IN PHILOSOPHY (1-3 hrs.) Designed for students interested in independent research in a special field. Research project subject to the approval of Chairman of Department.

PHYSICAL EDUCATION AND HEALTH

AIMS

To promote the health education and physical development of the student; to provide opportunities for students to participate in and secure a reasonable degree of proficiency in recreational activities; and to train physical education and recreation leaders for educational and community situations.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the department which should include the following courses: Physical Education 125, 227, 442, 464, 471, 480; Sociology 201; Biology 101-102, 201 and 425 or 167 are recommended. Sequence of courses subject to approval of the Senior Counselor.

REQUIREMENTS FOR ALL STUDENTS FOR GRADUATION

Freshmen: Physical Education 101-102 is required. Physical Education 125 may be elected in the freshman or sophomore year or Biology 101 may be offered as a substitute. Sophomores: Physical Education 201-202 is required of all students but permission may be granted to substitute equivalent hours from Physical Education 169-170, 227-228, 243, 301-302 or work in varsity athletics.

One hour's credit will be given for a season's work in varsity athletics, i.e., football, basketball, track, baseball, golf, swimming, cross country, and tennis, provided students enroll for Physical Education 201-202. Not more than a total of four hours credit towards graduation will be allowed from courses 101-102, 201-202, and varsity athletics.

All students will be required to pass a swimming achievement test prior to graduation. Students who are physically unfit as certified by the college physician may petition to be allowed to substitute hours in other courses in lieu of activity courses in physical education. Students who are not candidates for a degree may be exempt from the requirements of physical education. Any petition for exemption from physical education should be addressed to the Committee on Admission and Academic Review.

PHYS. ED. 101-102 FRESHMAN ORIENTATION IN PHYSICAL EDUCATION (1 hr.) The techniques and rules of a wide variety of team sports. An activity course. Three periods per week. Required of all freshmen. (Note. Men should register as 101m-102m; women 101w-102w).

PHYS. ED. 125 PERSONAL HYGIENE (2 hrs.) Fundamental knowledge of personal hygiene and how the health of the individual may be conserved.

Note: Students who have successfully passed Biology 101, or who have shown by a comprehensive test that they possess a satisfactory knowledge of health principles and practices, may be permitted to substitute two hours of other academic work for this requirement.

PHYS. ED. 167 INTRODUCTION TO MAMMALIAN ANATOMY AND PHYSIOLOGY (3 hrs). (See Biology 167).

PHYS. ED. 169-170 FOLK DANCING (1 hr.) Folk dancing from many countries. English and American country dances during the first semester and European dances during the second semester. An activity course. Two periods per week.

PHYS. ED. 201-202 SOPHOMORE PHYSICAL EDUCATION (1 hr.) Individual sports; planned for sophomores who desire to elect a general recreation course. An activity course. Three periods per week. (Note. Men should register as 201m-202m; women 201w-202w).

PHYS. ED. 226 COMMUNITY HYGIENE (2 hrs.) Health matters pertaining to the social group; communicable diseases; vital statistics; legal and social regulations relating to personal and community health. Not offered in 1964-1965.

PHYS. ED. 227 ELEMENTARY SWIMMING (1 hr.) Instruction for beginners in buoyancy and flotation. Preliminary tests for swimming and such strokes as elementary back, side, and crawl. An activity course. Three periods per week.

PHYS. ED. 228 ADVANCED SWIMMING (1 hr.) Correct form of the more advanced strokes, as the trudgen, American crawl, racing back and breast, diving and life saving. An activity course. Three periods per week.

PHYS. ED. 230 OUR OUTDOORS (1 hr.) (See Biology 230).

PHYS. ED. 240 SOCIAL DANCING (1 hr.) Instruction in the modern social dance steps. An activity course. Two periods per week.

PHYS. ED. 243 TUMBLING AND STUNTS (1 hr.) Begins with individual stunts and advances to more intricate work. An activity course. Two periods per week.

PHYS. ED. 267-268 THEORY AND PRACTICE OF TEAM SPORTS (2 hrs.) Intensive practice with opportunity for officiation in team sports for men and women.

PHYS. ED. 301-302 MODERN DANCING (1 hr.) Contemporary dancing, emphasizing the use of the fundamental expressive movements in creative work. An activity course. Two periods per week.

PHYS. ED. 303 COACHING FOOTBALL (2 hrs.) Fundamentals, offensive and defensive styles of play, rules of the game and officiating. Offered in alternate years.

PHYS. ED. 304 COACHING BASKETBALL (2 hrs.) Fundamentals, offensive and defensive styles of play, rules, officiating and the place of basketball in the intramural program. Alternates with Physical Education 326. Not offered in 1964-1965.

PHYS. ED. 325 INTRAMURAL SPORTS (2 hrs.) Organization, administration and objectives of the intramural program of athletics. Offered in alternate years.

PHYS. ED. 326 BASEBALL, TRACK AND FIELD (2 hrs.) Strategy and fundamentals of baseball, track and field. Alternates with Physical Education 304.

PHYS. ED. 327 COMMUNITY RECREATION (3 hrs.) The philosophy of American recreation and community organization for leisure time activities. Offered in alternate years.

PHYS. ED. 328 RECREATION LEADERSHIP (3 hrs.) Recreational activities; practice in the leadership of games, square dancing, playground activities, with a two hour laboratory for handicrafts. Offered in alternate years.

PHYS. ED. 340 PREVENTION AND CARE OF INJURIES (2 hrs.) Common hazards of play and athletics. Preventive measures and treatment of injuries. Red Cross First Aid Certificate may be earned by those who pass the examination. Offered in alternate years.

PHYS. ED. 341 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION (2 hrs.) Methods used in evaluating outcomes of the physical education program.

PHYS. ED. 402 ADAPTED PHYSICAL EDUCATION (3 hrs.) Variations of the normal types of the human organism at different age levels; therapeutic measures, especially those which refer to the correction of mechanical defects. Prerequisites: Biology 201, 425, or 167. Offered in alternate years.

PHYS. ED. 424 KINESIOLOGY (3 hrs.) Fundamental body movements and their relation to body development and efficiency. Prerequisite: Biology 201 and 425. Not offered in 1964-1965.

PHYS. ED. 425 PHYSIOLOGY (3 hrs.) (Biology 425). Structure and functions of the human body; the mechanism of bodily movements, responses, reactions, and various physiological states. Prerequisites: Biology 101-102 and 201. Alternates with Biology 365.

PHYS. ED. 428 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (3 hrs.) Administrative relationships and procedure in the conduct of physical education. Offered in alternate years.

PHYS. ED. 439-440 THEORY AND PRACTICE OF INDIVIDUAL SPORTS (2 hrs.) Intensive practice in badminton, archery, tennis, handball, golf, and life saving with a study of the rules of each and of methods used in teaching.

PHYS. ED. 441 HISTORY OF PHYSICAL EDUCATION (2 hrs.) Development of physical education from ancient times to the present. Offered in alternate years.

PHYS. ED. 442 PRINCIPLES OF PHYSICAL EDUCATION (3 hrs.) Principles basic to a program of physical education in the modern educational system. Offered in alternate years.

PHYS. ED. 464 TEACHING OF HEALTH (3 hrs.) (Health Problems of the School Child). A course designed to provide students with opportunities to study health problems, activities, and methods of teaching the school child. Not offered in 1964-1965.

PHYS. ED. 471 SEMINAR IN PHYSICAL EDUCATION (1 hr.) A survey of the field of health and physical education and the current literature relating to investigations in the field. Prerequisites: Physical Education 425 and 442. Open only to upper division students. Required of all students concentrating in the Field of Physical Education.

PHYS ED. 480 METHODS AND MATERIALS IN TEACHING PHYSICAL EDUCATION (3 hrs.) Methods, materials and techniques pertinent to the teaching of Physical Education.

PHYS. ED. 487-488 INDEPENDENT STUDY IN PHYSICAL EDUCATION (1 to 3 hrs) Designed for those students interested in physical education who desire to do independent study in some special field. The field of study may be selected by the student subject to the approval of the Head of the Department, according to interest and future needs.

PHYS. ED. 491-492 HONORS COURSE (1 to 3 hrs.) Special problems and minor research studies in physical education. Enrollment limited to students concentrating in Physical Education who are seniors of superior ability and achievement. Permission of the Head of the Department required.

PHYSICS

AIMS

To give the liberal arts student some insight into our universe and its physical laws, with emphasis upon the scientific method.

To present to the pre-professional student a general knowledge of physics and its laboratory methods that are applicable to his field.

To acquaint the advanced undergraduate student with some of the theory and the laboratory methods in the main branches of physics, so that he may be equipped for teaching, research, or graduate work in this field.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the department, including 301-302, 303,304, 305-306 and 341-342. Physics 325-326 and 487-488, and a reading knowledge of German and French are recommended for students expecting to do graduate work. Mathematics or chemistry is strongly recommended as the related field. Sequence of courses subject to approval of the Head of the Department.

PHYS. 101-102 GENERAL PHYSICS (4 hrs.) A continuous course. First semester: mechanics, heat and sound. Second semester: electricity, light and modern physics. A fundamental course which is a prerequisite to all advanced physics courses. Open to freshmen.

PHYS. 301-302 MECHANICS (3 hrs.) Particle mechanics, central force motions; motions of rigid bodies; free, forced and coupled oscillations; elasticity; fluid motion; introduction to special theory of relativity and Lagrange's equations. Offered in alternate years; offered in 1964-1965.

PHYS. 303 HEAT (3 hrs.) Temperature, calorimetry, expansion, conductivity, change of state and radiation; thermodynamics and kinetic theory. Prerequisites: Physics 101-102 and Mathematics 201-202. Offered in alternate years; not offered in 1964-1965.

PHYS. 304 ADVANCED LIGHT AND PHYSICAL OPTICS (3 hrs.) Theories of light, reflection, refraction, interference, diffraction, polarization, geometric optics, optical instruments, vision and spectroscopy. Prerequisites: Physics 101-102 and Mathematics 201-202. Offered in alternate years; not offered in 1964-1965.

PHYS. 305-306 ELECTRICITY AND MAGNETISM (3 hrs.) Electrostatics and magnetism. Maxwell's equations, electro-chemistry, circuit theory and electrical machinery; a consideration of the theoretical and practical applications of electricity and magnetism. Prerequisites: Physics 101-102 and Mathematics 201-202. Offered in alternate years; offered in 1964-1965.

PHYS. 322 SPACE PHYSICS (3 hrs.) History of rocketry, rocket propulsion, artificial satellites, space travel, architecture of the universe, and communications. Prerequisites: Physics 101-102 and Mathematics 201-202. Offered in alternate years; offered in 1964-1965.

PHYS. 325-326 MODERN PHYSICS (3 hrs.) The modern applications of physics; spectroscopy, radiation, wave mechanics, quantum mechanics, radioactivity and nuclear physics, and cosmic rays; specific topics included are the electron microscope, radar, the cyclotron and atomic power. Prerequisites: Physics 101-102 or permission of the Head of the Department. Offered in alternate years; not offered in 1964-65.

PHYS. 328 ELECTRONICS (3 hrs.) A fundamental course in electronics, including such topics as electron emission, rectifiers, multi-electrode tubes, cathode-ray oscillograph, television, radio, radar, thyratons and industrial controls. Prerequisites: Physics 101-102 or permission of the Head of the Department. Offered in alternate years; offered in 1964-65.

PHYS. 341-342 LABORATORY IN ADVANCED PHYSICS (1 or 2 hrs). Supplementary to any of the upper division physics courses. Registration with permission of the Head of the Department.

PHYS. 365-366. SPECTROSCOPIC ANALYSIS (1 or 2 hrs). Use of the E-1 Hilger Spectrograph and auxiliary equipment for analytical work; original research and possible publication of the results. Registration with permission of the Head of the Department.

PHYS. 475-476 PROBLEMS IN PHYSICS (1 hr.) Solution of more advanced problems in the various fields of physics. Open to upper division students.

PHYS. 477-478 SEMINAR IN PHYSICS (1 hr.) A survey of Physics for review and correlation of the various fields in the discipline. Open to upper division students.

PHYS. 480 METHODS AND MATERIALS IN TEACHING PHYSICS (2 or 3 hrs.) Methods and practice in classroom presentation and laboratory supervision. Collateral reading and reports on the history of physical science. Required of all students expecting to teach physics.

PHYS. 487-488 INDEPENDENT STUDY (1 to 3 hrs.) Designed for those students interested in physics who desire to do independent reading in some special field. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

PHYS. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced experimental work and minor research problems in radioactivity, spectroscopy, radio and electronics, or in the field of the student's interest. Enrollment limited to seniors of superior ability and achievement who are concentrating in Physics. Permission of the Head of the Department required.

PHYSICAL SCIENCE

PHYS. SCI. 201-202 PHYSICAL SCIENCE (3 hrs.) A survey of the fields of astronomy, geology, physics and chemistry, with appropriate laboratory work. This course may be used to satisfy six hours of the science requirement. Open to freshmen. Students planning to complete a Field of Concentration in Chemistry or Physics should not enroll in this course.

PSYCHOLOGY

AIMS

The department hopes to assist the student in gaining a basic knowledge of psychology as the experimental science of man's behavior; to develop social awareness and social adjustment through understanding of the fundamental similarities and differences among men; to promote creative and critical thinking; to give background preparation for professions which deal with individual and group behavior; to encourage a few students to enter the field, whether in teaching, research, or applied psychology.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Concentration in psychology requires Biology 101-102 and a minimum of thirty hours in the department, including Psychology 201-202, 361-362, 477 or 478, and two of these three: 371, 372, 374. No student will be recommended for graduate school who has not had Mathematics 101-102 also. Mathematics 327 and Sociology 201 are highly desirable. The student is reminded that most graduate schools require a reading knowledge of French or German or both for higher degrees.

PSYCH. 201-202 GENERAL PSYCHOLOGY (3 hrs.) An introduction to the general field of psychology; perception, learning, motivation, personality, reasoning, and a survey of the areas within the general field. Two lectures and one laboratory period each week. Prerequisite to all other courses in the department.

PSYCH. 311 SOCIAL PSYCHOLOGY (3 hrs.) A study of the behavior of the individual in interaction within groups. Consideration will be given to the formation and properties of groups and to their influence on the individual. Prerequisite: Psychology 201-202.

PSYCH. 321 THE NORMAL PERSONALITY (3 hrs.) This course deals with theories of the development of personality. Emphasis will be placed on the normal personality and its development, and on the principles of mental hygiene for students. Prerequisite: Psychology 201-202.

PSYCH. 322 THE ABNORMAL PERSONALITY (3 hrs.) The study of abnormal personality development including mental deficiency, neuroses, psychoses, and sociopathic behavior. Prerequisite: Psychology 201-202.

PSYCH. 331 CHILD AND ADOLESCENT PSYCHOLOGY (3 hrs.) A course devoted to the study of the psychological development of the child through adolescence and, briefly, to the phylogenesis of behavior. Prerequisite: Psychology 201-202.

PSYCH. 332 EDUCATIONAL PSYCHOLOGY (3 hrs.) A study of the application of psychological principles to the field of Education. Included will be the areas of learning, transfer of training, individual differences, motivation, achievement testing, and the language and communication skills as they apply to education. Prerequisite: Psychology 201-202.

PSYCH. 335 PSYCHOLOGICAL AND EDUCATIONAL TESTS AND MEASUREMENTS (3 hrs.) The course will deal mainly with group testing, with attention to the construction and use of standardized and of *ad hoc* tests. The necessary correlation techniques will be included. Prerequisite: Psychology 201-202; not offered 1963-1964.

PSYCH. 336 INDUSTRIAL PSYCHOLOGY (3 hrs.) A study of industrial motivations, human relations training, optimum working conditions, human engineering. Prerequisite: Psychology 201-202. Offered in alternate years.

PSYCH. 361-362 DESIGN AND ANALYSIS OF EXPERIMENTS IN PSYCHOLOGY (3 hrs. each semester) This course deals with methods of investigation of behavior, with the greater emphasis on the experimental method. Differential methods are treated in Psychology 335. Techniques of statistical evaluation of data will be introduced when data demand them. Some time will be spent on the general theory of science, and on mathematical statements of scientific, especially psychological, laws, theories, functions. Prerequisite: Psychology 201-202. No credit given for only one semester of Psychology 361-362. One lecture and two laboratory periods each week.

PSYCH. 371 PSYCHOLOGY OF EMOTION AND MOTIVATION (3 hrs.) A study of the whys of behavior, of methods of discovering what people want, and of the origin and development of their desires, attitudes, value systems, and the like. Emphasis will be on the experimental assessment of sociogenically derived motives. Prerequisite: Psychology 201-202. Offered irregularly.

PSYCH. 372 PSYCHOLOGY OF LEARNING (3 hrs.) This course will deal with theories of learning. Prerequisite: Psychology 201-202. Two lectures and one laboratory period each week.

PSYCH. 374 PERCEPTION AND COGNITION (3 hrs.) This course deals with the acceptance and processing of information by the human organism. Prerequisite: Psychology 201-202. Two lectures and one laboratory period each week.

PSYCH. 391 JUNIOR HONORS SEMINAR (1 to 3 hrs.) Open to Juniors who are considering the desirability of entering Psychology 491-492. The course will discuss the information available in some small section of psychology, the exact topic varying from year to year. Prerequisites: Psychology 201-202, concurrent enrollment in Psychology 361, and an overall grade average of 3.0.

PSYCH. 478 SEMINAR IN PSYCHOLOGY (1 or 2 hrs.) An advanced general course which is partly a preparation for the comprehensive examination in psychology. Prerequisite: Psychology 201-202 and senior standing.

PSYCH. 487-488 INDEPENDENT STUDY IN PSYCHOLOGY (1 to 3 hrs.) This course is designed to permit students to do independent work in psychology which cannot be done in any other course in the department. The subject of study must be selected in consultation with the Head of the Department before the semester opens. Prerequisite: Psychology 201-202 and junior or senior standing.

PSYCH. 491-492 HONORS COURSE (2 to 3 hrs.) The student will carry out a research project, running from the middle of his Junior year to the middle of his Senior year. Prerequisites: Psychology 391 and an overall grade average of 3.0.

RELIGION

AIMS

To provide a focus of religious meanings for the guidance of life and the integration of knowledge, and to prepare students planning to enter a church vocation for graduate study in professional schools of religion.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN RELIGION

A minimum of twenty-four hours in the department of which eighteen shall be upper division hours. The ministerial student must have 401-402 and six additional hours of Biblical study. Sequence of courses is subject to the approval of the Senior Counselor.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN RELIGIOUS EDUCATION

A minimum of eighteen hours in the department which must include six hours of Biblical study in addition to 401-402. Twelve hours of Religious Education which must include 421-422. Sequence of courses is subject to the approval of the Senior Counselor.

REQUIREMENTS FOR GRADUATION

Religion 101-102 or more extensive study of the same areas is required of all students qualifying for graduation.

REL. 101-102 JUDAEO-CHRISTIAN ORIGINS AND DEVELOPMENT (3 hrs.) In the first semester this course surveys the history, literature, and religion of the Hebrew people and gives an introduction to the sources of the Christian church.

In the second semester this course shows the development of Christianity, of the Christian Church in the New Testament, and of the major divisions of Christendom. The development of religions in America is traced with major attention to the movement for the restoration of the New Testament Church and Christian unity which gave rise to the Christian Churches. First-hand historical materials of Bethany and the Campbell heritage illuminate this study.

REL. 211-212 BEGINNING NEW TESTAMENT GREEK (3 hrs.) Study of grammar and vocabulary along with reading selected passages from the New Testament in order to develop as rapidly as possible an ability to read *koine* Greek. Most of the Fourth Gospel is read during the second semester. Offered 1964-65 and alternate years.

REL. 303-304 SURVEY OF THE NEW TESTAMENT (3 hrs.) A survey of the books of the New Testament, their backgrounds and messages. The first semester is devoted to the Gospels and the second to the other books.

REL. 327-328 COMPARATIVE RELIGIONS (3 hrs.) A study of the most important features of the religions of primitives, Egypt, Babylonia, Assyria, Persia, Greece, Rome, Judaism, Christianity, India, China, Japan. Not offered in 1964-65.

REL. 331 THE PROPHETS (3 hrs.) The origin and nature of Old Testament prophecy. The mission and message of some of the leading prophets.

REL. 332 THE WISDOM OF ISRAEL (3 hrs.) An analysis of the meaning and significance of Job, Ecclesiastes, and other Old Testament wisdom literature.

REL. 333 TEACHINGS OF JESUS (3 hrs.) Teachings of Jesus in relation to Jewish and Hellenistic backgrounds. Prerequisite: a previous course in New Testament.

REL. 334 TEACHINGS OF PAUL (3 hrs) Teachings of Paul and their influence in the early church. Prerequisite: a previous course in New Testament.

REL. 341 INTRODUCTION TO CHRISTIAN MINISTRIES (1 hr.)
A seminar required for ministerial students who are at the beginning of a period of regular service to a church.

REL. 346 THE CHURCH IN THE NEW TESTAMENT (1 or 3 hrs.)
A seminar study of church life in the New Testament and in the Restoration Movement of the 19th Century.

REL. 353 CHRISTIAN FAITH IN ITS CULTURAL EXPRESSIONS (1 or 3 hrs.) A seminar study of expressions of Christian faith in past and present cultural forms.

REL. 354 TRENDS IN CONTEMPORARY CHRISTIAN THINKING (1 or 3 hrs.) A seminar study of notable thinkers and movements in the present.

REL. 401-402 THE BIBLE AS RELIGIOUS LITERATURE (3 hrs.)
The books of the Bible are studied for their record of past religious events, their expression of faith at the time of writing, and their significance in past and current reformations of the church.

REL. 411-412 INTERMEDIATE NEW TESTAMENT GREEK (3 hrs.)
Selections from the Synoptic Gospels and the letters of Paul are read, with study of forms and expansion of vocabulary. Offered in years alternating with 311-312.

REL. 421 BECOMING A RELIGIOUS PERSON (3 hrs.) A study in the modes of personal religious growth and adaptation with particular attention to patterns in children, changes in adult life and reactions of persons under stress.

REL. 451-452 BIBLICAL DOCTRINES (3 hrs.) A seminar on Biblical doctrines and the teachings of the church about God, man, sin, salvation, the church, eternal life, and related topics.

REL. 478 SEMINAR IN RELIGION (1 hr.) A seminar on the integration of the field of the comprehensive examination. Prerequisite: at least 18 hours of previous study in the department.

REL. 487-488 INDEPENDENT STUDY IN RELIGION (1 to 3 hrs.)
A field of study selected by the student, subject to the approval of the Head of the Department.

REL. 491-492 HONORS COURSE (1 to 3 hrs.) Special problems and research studies in religion. Readings, conferences and reports on an area of special interest. Limited to students of superior ability and achievement. Permission of the Head of the Department required.

RELIGIOUS EDUCATION

REL. ED. 328 RECREATION LEADERSHIP (See Phys. Ed. 328) (3 hrs.)

REL. ED. 332 EDUCATIONAL PSYCHOLOGY (See Psych. 332) (3 hrs.)

REL. ED. 365 AUDIO-VISUAL EDUCATION (See Ed. 365) (2 hrs.)

REL. ED. 421 BECOMING A RELIGIOUS PERSON (See Rel. 421) (3 hrs.)

REL. ED. 422 EDUCATIONAL WORK OF CHURCH AND FAMILY (3 hrs.) How the church and the home provide for religious development.

REL. ED. 423 PRACTICUM (1 to 3 hrs.) Work at supervised assignments in an approved church program, four to twelve weeks usually in summer. Credit determined by length of assignment, reports on activities and assigned readings, and summary paper.

SOCIAL SCIENCE

SOC. SCI. 101-102 DEVELOPMENT OF WESTERN INSTITUTIONS (3 hrs.) The development of political, social, and cultural institutions from ancient times to the twentieth century, especially as they contribute to an understanding of our own civilization.

SOC. SCI. 442 PROBLEMS OF THE TWENTIETH CENTURY (3 hrs.) A problem course built around selected questions of contemporary life. Conducted by the departments of Economics, History and Political Science, and Sociology.

SOCIOLOGY AND ANTHROPOLOGY

AIMS

To give the students a scientific analysis of social relations for general education, and to help the students for professional careers and to prepare them for graduate or professional study.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of twenty-four hours in the department with eighteen hours in the upper division courses. It is recommended that those who intend to major in the department would include in their course of study such related courses as psychology, history, political science, economics, philosophy, mathematics, and other areas of their interest.

For students who wish to emphasize anthropology, besides some of the courses listed above, courses in zoology, biology, chemistry, geography, and languages are useful.

SOCIOLOGY

SOC. 201 INTRODUCTION TO SOCIOLOGY (3 hrs.) An analysis of the fundamental sociological perspectives, methods and concepts used in studying society. An introduction to the sociological analysis of the contemporary structure and process of society, culture patterns, major social institutions, social interaction, social control, social disorganization, and social change.

SOC. 202 THE FAMILY (3 hrs.) The structure and function of the family in America and in various other societies. The comparative analysis of the relation of the family to personality, society, and culture.

SOC. 203 THE COMMUNITY: RURAL-URBAN SOCIOLOGY (3 hrs.) Cultural, ecological, and institutional patterns in the growth of community life from rural to urban life. Offered in alternate years.

SOC. 267 RACIAL AND CULTURAL GROUPS IN CONTEMPORARY WORLD (3 hrs.) The nature and dynamics of prejudice for minority and majority group relations in the world, particularly in the United States. The relations of these groups to social stratification, economic, political, educational, and religious institutions and values. Prerequisite: Soc. 201.

SOC. 301 SOCIAL DISORGANIZATION AND DEVIANT BEHAVIOR (3 hrs.) An analysis of the theories and problems of social disorganization and deviancy in human behavior: delinquency, crime, and related problems. Prerequisite: one psychology course. Offered irregularly.

SOC. 326 CULTURE CONTACT AND SOCIAL CHANGE (3 hrs.) Theories of social change; problems of modernization in emergent nations; the nature of the traditional societies; comparative study of the impact of the Western civilization on the social structure, culture, and personality. Prerequisite: Soc. 201 or other introductory social science courses. Offered irregularly.

SOC. 327 SOCIAL STRUCTURE: COMPARATIVE ANALYSIS (3 hrs.) Analysis of the system of social institutions of the contemporary United States in comparison with those of the Soviet Union and selected non-Western societies. Emphasis will be placed on kinship, division of labor, economy, social stratification, religion, the organization of power structure, and education. Prerequisite: Soc. 201 and/or other introductory social science courses.

SOC. 329 INDUSTRIAL SOCIOLOGY (3 hrs.) The structure and function of industry; ideologies of management and labor; industrial relations and organization involving the problems of integration, conflict, and change. Prerequisite: Soc. 201 or Econ. 201 or 202. Offered in alternate years.

SOC. 337 SOCIOLOGY OF RELIGION (3 hrs.) Sociological and anthropological analysis of the interrelationship of society, culture, and religion. Comparative study of religion in different socio-cultural settings. Analysis of religion as a factor in modern social process. Prerequisite: one or more of the following courses—Soc. 201, Anthro. 201, 325, introductory social sciences, or one religion course.

SOC. 427-428 MODERN SOCIOLOGICAL THEORY (3 hrs.) A critical examination of the theoretical contributions of Durkheim, Marx, Max Weber, Simmel, Parsons, Merton, and other selected theorists. Open to upper classmen by permission of the Head of the Department.

SOC. 439 SOCIAL CONTROL (3 hrs.) Means of control in primitive and advanced societies. The roles of family, school, church, and community. Formal and informal controls; emblems, rituals; praise, blame, ridicule, and intimidation. The role of leadership in the evolution of group values. Offered irregularly.

Soc. 440 METHODS OF SOCIAL RESEARCH (3 hrs.) An examination of the theory and methods of social research and research techniques. Offered in alternate years.

Soc. 441 SOCIAL WELFARE IN THE AMERICAN COMMUNITY (3 hrs.) History and theory of modern social welfare; the basic processes: casework, group work, and community organization. Prerequisite: Soc. 201, Soc. 203, or one psychology course. Offered in alternate years.

ANTHROPOLOGY

ANTHRO. 201 INTRODUCTION TO ANTHROPOLOGY (3 hrs.) General survey of the fields of anthropology; the nature of paleolithic men and cultures; human and cultural evolution in prehistoric and more recent times.

ANTHRO. 325 CULTURAL ANTHROPOLOGY (3 hrs.) The study of recent and contemporary man, with emphasis on economic life, kinship systems, political organization, art, religion, and magic. Prerequisite: Soc. 201 or Anthro. 201.

ANTHRO. 326 PHYSICAL ANTHROPOLOGY (3 hrs.) The place of man in relation to the living primates; human evolution and evolutionary principles as associated with human ecology. The races of modern man. Offered in alternate years.

ANTHRO. 330 TECHNOLOGY AND SOCIETY (3 hrs.) Technological processes in the primitive and folk levels and their influence on the development of society and culture.

ANTHRO. 376 PEOPLES AND CULTURES OF NON-WESTERN WORLD (3 hrs.) Comparative analysis of selected traditional cultures of the non-Western world. Prerequisite: Anthro. 201, and 202.

ANTHRO. 428 LANGUAGE, SOCIETY, AND CULTURE (2 hrs.) General survey of the science of language with particular emphasis upon the interrelationship between linguistic structure, social relations, and culture patterns. Prerequisite: Anthro. 201, Soc. 201, or Anthro. 325. Offered irregularly.

ANTHRO. PRIMITIVE RELIGIONS (3 hrs.) An analysis of the religious systems of selected non-literate peoples around the world; their philosophical and religious beliefs and attitudes and their relation to concepts of man and nature. Religious behaviors and sentiment as a factor in the socio-cultural forces. Offered irregularly.

ANTHRO. 449 CULTURE AND PERSONALITY (3 hrs.) Theoretical and comparative study of personality formation and functioning in the context of cultural factors and social structural conditions. Prerequisite: one or more of the following courses—Anthro. 201, 325, Soc. 201, or one Psychology course.

SOCIOLOGY AND ANTHROPOLOGY

SOC. 477-478 SENIOR SEMINAR (3 hrs.) Required of all students concentrating in the Field. This course has three purposes: to integrate preceding work of the department; to give each student an opportunity to develop his particular interest in cooperation with the other members of the seminar group; and to prepare for the senior comprehensive examination.

SOC. 487-488 INDEPENDENT STUDY (1-3 hrs.) Designed for those students interested in Sociology and Anthropology who desire to do independent study in some special field. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

SOC. 491-492 HONORS COURSE (1-3 hrs.) Advanced projects and minor research studies. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in the Field who are seniors of superior ability. Permission of the Head of the Department required.

SPEECH AND DRAMA'

AIMS

To assist the individual to develop attitudes and techniques for effectiveness in oral communication; and to assist the student toward the sort of personality manifestation that makes for creative individuality.

The student primarily interested in the field of Speech and Drama may elect a field of concentration in Fine Arts (q.v.) with an emphasis in Speech and Dramatics.

SPEECH 201 FUNDAMENTALS OF SPEECH (3 hrs.) Basic principles of effective speech. A course for beginning students with major emphasis on delivery. Attention is given to elementary speech composition, development of confidence and poise, vocabulary building, pronunciation and enunciation, speech psychology, and personality manifestation through the delivery of speeches.

SPEECH 202 ADVANCED PUBLIC ADDRESS (3 hrs.) Advanced principles of speech preparation and delivery. Detailed speech composition and active participation in classroom lectures, panels, and symposia on American Orators. Prerequisite: Speech 201.

SPEECH 225-226 ORAL INTERPRETATION (2 hrs.) Study and practice of reading aloud from prose, poetry and dramatic literature. Emphasis on discovering and communicating the author's meaning. Reading in class and before various outside groups where possible. Prerequisite: Speech 201. Offered on demand.

SPEECH 301 INTRODUCTION TO THE THEATRE (3 hrs.) Outline of the history of the theatre, which includes the Classic Drama, Medieval to Modern Drama, and dramatic theory and criticism.

SPEECH 356 ARGUMENTATION AND DISCUSSION (3 hrs.) Study of the principles of logical proof in oral and written discourse; types of evidence, modes of reasoning, preparation for discussion, debate, and parliamentary procedures. Not offered 1964-65.

SPEECH 365 PLAY DIRECTION AND PRODUCTION (1-3 hrs.) This course is designed for students who act in and stage College plays. All students enrolled in the course will attend the one hour Actor's Studio Workshop to be arranged each semester. The course may be repeated for credit but the total credit earned may not exceed 6 credit hours. An applied course.

SPEECH 366 PRINCIPLES OF ACTING (3 hrs.) Basic acting techniques; historical and modern styles of acting, their principles, theories, and their application in the performance of scenes and plays. Prerequisite: Speech 365.

SPEECH 458 INTRODUCTION TO RADIO AND TELEVISION (3 hrs.) Designed to give the student an over-all picture of the operational procedure in stations and networks; to develop a knowledge and appreciation of radio and television as powerful media of mass communication in our modern society. Field trips to radio and television stations. Fee.

SPEECH 487-488 INDEPENDENT STUDY IN SPEECH AND DRAMA (1 or 2 hrs.) Open to students of initiative and above-average ability in radio, theatre, public address, voice and diction, interpretation, or the teaching of speech, to work on special projects. Open by permission of the Head of the Department.

HONORARY DEGREES CONFERRED

ON JUNE 7, 1964

DOCTOR OF DIVINITY

Hubert L. Barnett, Wheeling, West Virginia

DOCTOR OF SCIENCE

Donald Dooley, Columbus, Ohio

DOCTOR OF PUBLIC AFFAIRS

Edith Green, Portland, Oregon

DOCTOR OF PUBLIC SERVICE

Arthur B. Langlie, New York, New York

DOCTOR OF LAWS

Lawrence Litchfield, Pittsburgh, Pennsylvania

BACCALAUREATE DEGREES CONFERRED IN COURSE

CLASS OF 1964

ON JUNE 7, 1964

BACHELOR OF ARTS

Summa Cum Laude

Sarah Andrea Alexander

Albert Lawrence Filoni

Magna Cum Laude

Carolyn Ann Bickel
Linda Lee Davis
Larry Edward Grimes

Thelma Jean Mallett Horton
Susan Ann McCormick
Marilyn Shapiro

Cum Laude

Edward William Cox
Robert Noel Foreman

Lynn Lee Helsby
Lewis Alan Shapiro
Karen Seitz Twilla

Rite

Susan Caroline Abbott
Hugh H. Addy
David Conner Bane, Jr.
John Warren Baxter

Robert Howard Kramer, Jr.
Chester H. Kusek
Harriett Marie Lewis
Thomas Llewellyn Lewis III

John Joseph Bender
 Wilber Agnew Bliss III
 James Knox Boatner
 Alice Mae Boyd
 Marshall P. Brand
 David George Bury
 Ruth P. Caine
 David Lawrence Carr
 Erin Elizabeth Carrigan
 Sandra Elizabeth Chapman
 Roger Chutter
 Barbara Tator Cloues
 Stockwell William Cole
 Elizabeth Prideaux Collins
 William Randolph Cooley
 Karen Lynn Croushore
 Sue Ann Kratz Dudley
 Jane M. Edwards
 Mary Lee Ohs Ellenberger
 Elizabeth Jayne Fellers
 Priscilla L. Findlay
 Ronald Daniel Fowler
 Carolyn Marie Funk
 John Bruce Giles
 Gary L. Gorby
 Herbert Davis Graetz
 Robert Paul Graham
 Judith Ann Gray
 David N. Groeling
 Shelby B. Gwatkin
 William Elliot Gwatkin
 Hillary Fanchon Harriman
 Phillip Roger Harrison
 Rodger Craig Henderson
 James John Herman
 Philip Alan Herman
 Robert Arthur Higgins
 Constance Ellen Holden
 Carol Kathleen Hughes
 G. Stephen Ingram
 Joan J. Irving
 Clarence William Johnson
 Dolores Carol Jones
 Roger Gehrig Kindelberger
 Kathryn Ann Kinney
 George J. Kneeland, Jr.

Verne Elizabeth Litscher
 Marilyn Jean Maier
 Harry Donald Mairs
 Thomas Donald Maloy
 Harvey Alan Malyn
 Rozanne Maslanka
 Marjorie Jean Mayer
 Robert Theodore McElhose, Jr.
 Robert Alan Merwitzer
 Robert Lew Montgomery
 Jonathan Munnell
 Judith Booth Norton
 Emil Joseph Ostneberg
 Robert Brewer Pace
 Judith Elizabeth Park
 Louis Paul Partazana
 William E. Patterson
 Robert Bruce Pearlman
 Sara Tebbs Pendleton
 Linda Mae Pifer
 Ellen Carole Pope
 Katharine Louise Quimby
 Florence Jean Reid
 Esther Barbara Rickert
 Margaret Ann Robinson
 John H. Ruhl
 Kathryn Schaumberg
 Suzanne Louise Schnake
 Royal Cleaves Schomp
 Robert Clark Smith
 R. Douglas Spangler
 Kenneth Earl Sponagle
 Mary M. Tacey
 Carolyn Marie Theilacker
 Lawrence Stephen Thomases
 David Edward Tramack
 Stuart K. Tweedy
 Kathleen Jean Uffelman
 Peter Brian VanCamerik
 Robert Theodore Vavrina, Jr.
 Kathleen Waddell
 Robert Webster Willett
 Robert Irvin Wilson
 William Arthur Wyman
 J. Alan Yardis
 Irene Rebecca Young

BACHELOR OF SCIENCE

Magna Cum Laude
 John Hollis Robinson

Cum Laude

Stanley Zale Cowen
 Arthur Leslie Karr

Gary Leigh Rogers
 William Carl Schwarzel
 Byron Leslie VanPelt

Rite

Richard Stephen Akawie
 Joe Cody Andrick
 Janey Elizabeth Bolton
 Arthur N. Carlson, Jr.
 Richard J. Chongaway
 Patricia Ann Collins
 Clifford Everett Counselman
 Richard Alcorn Deemer
 Donald B. Feinsod
 Robert Lee Fusaro
 Siegfried Josef Heinrich Geisel
 Susan Elizabeth Halm
 Dean R. Haubrich
 Stanley Blair Hersh
 Ellis Jerome Hoffman

Richard Laurence Homer
 Sally Ann Knight
 John T. Koedderich, Jr.
 Margaret Kovac
 Roger William Maunz
 James Richard Niederhuber
 William Frederick Porter, Jr.
 Lynn Howard Possinger
 William George Robinson
 Raymond H. Rouse
 Kenneth A. Rygler
 Richard Nolte Sherwin
 Byron R. Smith
 Daniel Weinreich
 Don Benton Weser

ROSTER OF STUDENTS

ACADEMIC YEAR

1963-1964

SENIORS

Abbott, Susan	Levittown, N. Y.
Akawie, Richard	Wantagh, N. Y.
Albaugh, Rodney	Wheeling, W. Va.
Alexander, S. Andrea	Mesquite, Texas
Andrick, Joe	Coraopolis, Pa.
Bane, David	Wheeling, W. Va.
Baxter, John	Cranston, R. I.
Bender, John	Weirton, W. Va.
Bickel, Carolyn	Pittsburgh, Pa.
Bliss, Wilber	Beaver, Pa.
Bolton, Janey	Chatham, N. J.
Bowen, Robert	Sistersville, W. Va.
Boyd, Alice	Steubenville, Ohio
Brand, Marshall	Forest Hills, N. Y.
Bury, David	Kenmore, N. Y.
Caine, Ruth	W. Orange, N. J.
Carlson, Arthur	Belleville, N. J.
Carr, David	Cleveland, Ohio
Carrigan, Erin	Sherrard, W. Va.
Chapman, Sandra	Wellsburg, W. Va.
Chongaway, Richard	Pittsburgh, Pa.
Chutter, Roger	Portland, Conn.
Cloues, Barbara Tator	Bridgeport, Conn.
Cole, Stockwell	St. Ann, Jamaica, W. I.
Coleman, Lynn	Naperville, Ill.
Coleman, Roger	Wellsburg, W. Va.
Collins, Elizabeth Prideaux	Bethany, W. Va.
Collins, Patricia	Kenmore, N. Y.
Cooley, William	Wheeling, W. Va.

Cowen, Stanley	Pittsburgh, Pa.
Cox, Edward	Steubenville, Ohio
Croushore, Karen	Cranford, N. J.
Davis, Linda	Southington, Ohio
Deemer, Richard	Pittsburgh, Pa.
Edwards, Jane	West Simsbury, Conn.
Ellenberger, Mary Ohs	Washington, Pa.
Feinsod, Donald	Forest Hills, N. Y.
Fellers, Elizabeth	Silver Spring, Md.
Filoni, Albert	California, Pa.
Fisher, John	Harrington Park, N. J.
Fleissner, John	Short Hills, N. J.
Foreman, Robert	New Cumberland, W. Va.
Fowler, Ronald	Follansbee, W. Va.
Funk, Carolyn	Wellsburg, W. Va.
Fusaro, Robert	Rural Valley, Pa.
Geisel, Siegfried	Brooklyn, N. Y.
Gibb, Susan	Essex, Conn.
Giles, John	Albany, N. Y.
Gorby, Gary	Wellsburg, W. Va.
Graetz, Herbert	Verona, N. J.
Graham, Robert	Pittsburgh, Pa.
Grimes, Larry	Russellville, Ind.
Groeling, David	Verona, N. J.
Gwatkin, Shelby Blanchet	Woodbridge, Conn.
Gwatkin, William	Woodbridge, Conn.
Halm, Susan	Steubenville, Ohio
Hanna, Nancy	Ridgewood, N. J.
Harriman, Hillary	New York, N. Y.
Harrison, Phillip	Pomeroy, Ohio
Haubrich, Dean	Trafford, Pa.
Hauser, Denise	Essex Fells, N. J.
Hazlett, James	Wheeling, W. Va.
Helsby, Lynn	Berwyn, Pa.
Henderson, Rodger	Upper Darby, Pa.
Henderson, William	Wheeling, W. Va.
Herman, James	Union, N. J.
Hersh, Stanley	Pittsburgh, Pa.
Heslop, Cindi	Martins Ferry, Ohio
Higgins, Robert	Hillside, N. J.
Holden, Constance	Painesville, Ohio
Homer, Richard	Grove City, Pa.
Horton, T. Jean Mallett	Mingo Junction, Ohio
Horvat, Rudolph	McMechen, W. Va.
Hughes, Carol	Columbia, Mo.
Hughes, Thomas	Taylorstown, Pa.
Ingram, G. Stephen	Oceanport, N. J.
Irving, Joan	Westport, Conn.
James, Francis	Darien, Conn.
Johnson, C. William	Tampa, Fla.
Jones, Dolores	Steubenville, Ohio
Karr, Arthur	McMechen, W. Va.
Keenan, Bruce	East Orange, N. J.
Keene, Andrew	Oakmont, Pa.
Keyes, A. Gale	Scarsdale, N. Y.
Kindelberger, Roger	Wheeling, W. Va.
Kinney, Kathryn	West Alexander, Pa.
Kneeland, George	Harrington Park, N. J.
Knight, Sally	Steubenville, Ohio

Koedderich, John	Teaneck, N. J.
Kovac, Margaret	Elizabeth, Pa.
Kramer, Robert	Bethany, W. Va.
Kusek, Chester	West Springfield, Mass.
Lewis, Harriett	Wellsburg, W. Va.
Lewis, Thomas	Pittsburgh, Pa.
Litscher, Verne	Oxford, Conn.
Lubran, Albert	Steubenville, Ohio
Maier, Marilyn	Short Hills, N. J.
Mairs, H. Donald	Teaneck, N. J.
Makul, John	N. Bergen, N. J.
Maloy, Thomas	Warren, Ohio
Malyn, Harvey	Houston, Texas
Maslanka, Rozanne	Pittsburgh, Pa.
Maunz, Roger	Buffalo, N. Y.
Mayer, Marjorie	Pittsburgh, Pa.
McCormick, Susan	Wheeling, W. Va.
McElhose, Robert	Oakmont, Pa.
McFarland, Margaret	Coraopolis, Pa.
McGrath, William	Lincoln Park, N. J.
Merwitzer, Robert	Pittsburgh, Pa.
Montgomery, Robert	Bellaire, Ohio
Moxley, James	Lisbon, Ohio
Munnell, Jonathan	McKeesport, Pa.
Niederhuber, James	Steubenville, Ohio
Noice, William	Brecksville, Ohio
Norton, Judith	Cheshire, Conn.
Ostneberg, Emil	Fairhaven, Mass.
Pace, Robert	Wheeling, W. Va.
Park, Judith	West Alexander, Pa.
Pearlman, Robert	Douglaston, L. I., N. Y.
Pendleton, Sara	Winchester, Ky.
Phifer, William	Pittsburgh, Pa.
Pifer, Linda	Indiana, Pa.
Pope, Ellen	Pittsburgh, Pa.
Porter, W. Frederick	East Liverpool, Ohio
Possinger, Lynn	Ridgway, Pa.
Reid, Florence	Garden City, N. Y.
Rickert, Esther	Plandome, L. I., N. Y.
Robinson, John	Wheeling, W. Va.
Robinson, Margaret	Willoughby, Ohio
Robinson, William G.	Pittsburgh, Pa.
Rogers, Gary	Steubenville, Ohio
Roulis, Maria	Baltimore, Md.
Rouse, Raymond	Springfield, N. J.
Ruhl, John	McMechen, W. Va.
Rygler, Kenneth	New York, N. Y.
Samuels, Fred	Pittsburgh, Pa.
Schaumberg, Kathryn	Short Hills, N. J.
Schnake, Suzanne	Kenmore, N. Y.
Schomp, Royal	Fairfield, Conn.
Schwarzel, William	Pittsburgh, Pa.
Shapiro, Lewis	Pittsburgh, Pa.
Shapiro, Marilyn Perlman	Pittsburgh, Pa.
Sherwin, Richard	Munhall, Pa.
Smith, Byron	Pittsburgh, Pa.
Smith, Robert	Luther, Mich.
Spangler, R. Douglas	Zanesville, Ohio
Sponagle, Kenneth	Pittsburgh, Pa.

Suter, Steven	Shelby, Ohio
Theilacker, Carolyn	Pittsburgh, Pa.
Thomas, Lawrence	Forest Hills, N. Y.
Tramack, David	Ridgway, Pa.
Tweedy, Stuart	Pittsburgh, Pa.
Twilla, Karen Seitz	Kenmore, N. Y.
Uffleman, Kathleen	Pittsburgh, Pa.
Ulery, James	Washington, Pa.
VanCamerik, Peter	Calverton, N. Y.
VanPelt, Byron	Bethany, W. Va.
Vavrina, Robert	Tenaflly, N. J.
Waddell, Kathleen	Harrisonburg, Va.
Weser, Don	Wellsburg, W. Va.
Whitacre, Lawrence	Alliance, Ohio
Willett, Robert	East Orange, N. J.
Wilson, Robert	Martinsville, Va.
Wyman, William	West Chester, Pa.
Yardis, J. Alan	Pittsburgh, Pa.
Young, Irene	Pittsburgh, Pa.

JUNIORS

Adams, Ronald	St. Clairsville, Ohio
Agate, James	Pittsburgh, Pa.
Albert, Richard	Pittsburgh, Pa.
Alcorn, Lucinda	Pittsburgh, Pa.
Bailey, Karen	Pittsburgh, Pa.
Bailey, Nancy	Pittsburgh, Pa.
Baird, Peggy	Essex Fells, N. J.
Banks, Percival	Irvington, N. J.
Barnes, Lynn	Bethany, W. Va.
Bates, Louise	Lyons, Ohio
Best, Barbara	Pittsburgh, Pa.
Block, Gerald	Boonton, N. J.
Bolen, Robert H.	Newark, Ohio
Bortz, Donald	Greensburg, Pa.
Boulin, David	Chatham, N. J.
Brogan, Alice	Canton, Ohio
Bugay, Lee	McDonald, Pa.
Bunnell, Theodore	Westfield, N. J.
Burdshaw, Dana	New Martinsville, W. Va.
Cardwell, John	Pittsburgh, Pa.
Carlino, Benay	Bound Brook, N. J.
Carlson, Beverly	Tenaflly, N. J.
Caseman, Lynn	Bethany, W. Va.
Cipoletti, Ralph	Wellsburg, W. Va.
Cipullo, Richard	Pittsburgh, Pa.
Coleman, Ray	Pomeroy, Ohio
Coss, Charles	Bridgeport, Ohio
Crawford, David	Brilliant, Ohio
Croston, Roy	Wellsburg, W. Va.
Curran, John	N. Merrick, N. Y.
Daugherty, Jocelyn	Weirton, W. Va.
Dittmar, Russell	Bayonne, N. J.
Dodd, Keith	Beech Bottom, W. Va.
Doeg, Robert	Bloomfield, N. J.
Eberiel, David	W. Orange, N. J.
Eckhard, Joyce	Altoona, Pa.
Eglintine, Paul	Bethany, W. Va.

Ferry, J. Douglas	Wellsburg, W. Va.
Florio, John	Pleasantville, N. Y.
Frank, Michael	Cuyahoga Falls, Ohio
Franklin, Jay	Brooklyn, N. Y.
Friedman, Douglas	Fairfield, Conn.
Gallagher, Dennis	Morristown, N. J.
Gallagher, Virginia Pratt	Watchung, N. J.
Georgiades, George	Syosset, N. Y.
Goldberger, Sally	Bronx, N. Y.
Hale, Sandra	Logan, W. Va.
Hanson, Pamela	Darien, Conn.
Hassig, Jan	New Martinsville, W. Va.
Herbert, Sandra	Salem, Ohio
Hickman, Bard	Weirton, W. Va.
Hobe, David	Pittsburgh, Pa.
Hoerneman, Ann	Pittsburgh, Pa.
Hoffman, William	Johnstown, Pa.
Hoshowsky, Ihor	Rochester, N. Y.
Hrebenar, Andrew	Uniontown, Pa.
Hudson, Jane	Yorktown, Ind.
Hupalo, Walter	Valley Stream, N. Y.
Huyett, David	Wyomissing, Pa.
John, Andrea	Uniontown, Pa.
Kazarian, Gloria	East Norwalk, Conn.
Kent, Jack	Fairfield, Conn.
Klapach, Paul	Carnegie, Pa.
Kowen, Sandra	E. Rochester, N. Y.
Lash, Thomas	Wheeling, W. Va.
Laurence, Peter	Narberth, Pa.
Lawson, Leslie	Troy, Pa.
Lazear, Nelson	Wheeling, W. Va.
Leed, Thomas	Buffalo, N. Y.
Levite, Bernard	Steubenville, Ohio
Lippert, Nels	Plainfield, N. J.
Locke, Susan	Bridgeport, Conn.
LoRusso, Frank	Boonton, N. J.
Lucas, Thomas	Riverside, N. J.
Lueckert, Kenneth	McKeesport, Pa.
MacLaren, Donald	Westport, Conn.
Mann, Steven	Merrick, N. Y.
Mason, Richard	Garden City, N. Y.
McClung, Barbara	Belpre, Ohio
McCoy, Carol	Weirton, W. Va.
McKenzie, Mary	Bethany, W. Va.
Meier, Sallie	Wheeling, W. Va.
Melnick, Nicholas	Leetsdale, Pa.
Monheim, Stephen	Steubenville, Ohio
Morris, Stephen	Amherst, N. H.
Murray, Margaret	Port Jervis, N. Y.
Myers, Alan	W. Caldwell, N. J.
Myton, Sally	Pittsburgh, Pa.
Neis, Thomas	E. Orange, N. J.
Ochodski, Judith	Pittsburgh, Pa.
Paris, Paul	Commack, L. I., N. Y.
Pease, Christine	Ithaca, N. Y.
Pfile, Robert	Stow, Ohio
Reitz, Robert	Naugatuck, Conn.
Rice, Carl	Pittsburgh, Pa.
Ripps, Hugh	Suffern, N. Y.

Robeson, Jane	Canton, Ohio
Rohdie, Mervin	New York, N. Y.
Rosen, Henry	Butler, Pa.
Rupp, David	Uniontown, Pa.
Rutherford, Jerry	Monroeville, Pa.
Sailer, Dennis	Wheeling, W. Va.
Scheller, George	Short Hills, N. J.
Schwartz, Ronald	Brooklyn, N. Y.
Schweyer, Ruth	Jeromesville, Ohio
Seidman, David	Kew Gardens, N. Y.
Shanks, David	Washington, Pa.
Simosko, Vladimir	Ambridge, Pa.
Smith, David	Parkersburg, W. Va.
Spencer, Alfred	Maplewood, N. J.
Stuck, Richard	Oakland, Md.
Thomas, Keith	Wheeling, W. Va.
Tindall, Jeffry	Oreland, Pa.
Tipton, Nancy Smith	Toronto, Ohio
Vance, Barry	Canonsburg, Pa.
Verbosky, Lorraine	Trenton, N. J.
Wagner, Diane	Wheeling, W. Va.
Wagner, Richard	Coraopolis, Pa.
Wall, Robert	W. Englewood, N. J.
Weber, Jacqualine	Baltimore, Md.
Weigle, Kathleen	Friedens, Pa.
Weiss, Lawrence	Bronx, N. Y.
Welles, Barbara	Plainfield, N. J.
Whitaker, R. Theodore	Weirton, W. Va.
White, Carole	Edinboro, Pa.
White, Craig	Bethany, W. Va.
Wilfong, Judy	Bethel Park, Pa.
Williams, Robert	McKees Rocks, Pa.
Wilner, Mark	Suffern, N. Y.
Wutkiewicz, Sigmund	Manorville, N. Y.
Zweidinger, Roy	Millburn, N. J.

SOPHOMORES

Albanese, Mark	Norwalk, Conn.
Allen, William	Bethany, W. Va.
Anderson, Kerry	Hampton Bays, N. Y.
Armstrong, Thomas	Carlisle, Pa.
Austin, H. Leroy	Carnegie, Pa.
Barbarigos, Anna	Athens, Greece
Bates, John	Norwalk, Conn.
Benjamin, Wayne	Riverhead, L. I., N. Y.
Bennett, George	Erie, Pa.
Bergethon, Ragnar	Bergenfield, N. J.
Bizik, David	Steubenville, Ohio
Blundon, Edward	Wheeling, W. Va.
Branch, Lawrence	W. Englewood, N. J.
Brechner, Jerilyn	New York, N. Y.
Brown, John	Bethany, W. Va.
Brown, Thomas	Bentleyville, Pa.
Bruns, Richard	Millerton, N. Y.
Burdette, Kay	Charleston, W. Va.
Burns, Anthony	Pittsburgh, Pa.
Bushfield, Ruth	Triadelphia, W. Va.
Byrum, Bernard	Wheeling, W. Va.

Calmer, Bruce	N. Olmsted, Ohio
Campbell, Thomas	Fairplay, Md.
Carr, Betty	Orlando, Fla.
Clarke, James	Connellsville, Pa.
Coatney, Mary	Levittown, Pa.
Coleman, Christopher	Rochester, N. Y.
Cook, Bruce	Plainville, Mass.
Crossgrove, Mary	Arlington, Va.
Cupaiuli, Harvey	Maplewood, N. J.
Cypert, Robert	Gibsonia, Pa.
DePrince, Charles	Cherry Hill, N. J.
DiClemente, Norman	Coraopolis, Pa.
Dreeben, Arthur	Uniontown, Pa.
Duecker, Carol	N. Brunswick, N. J.
Dunham, Deloris	Bethany, W. Va.
Duvall, Alan	Wheeling, W. Va.
Duxbury, Ann	Weston, Conn.
Edwards, Lau-Rhea	Alloy, W. Va.
Egbert, Jane	Ridgewood, N. J.
Eisenhauer, Sibylla	Ho-Ho-Kus, N. J.
Evans, Kathryn	Miami, Fla.
Farnsworth, Ann	Pittsburgh, Pa.
Farr, Judith	Gates Mills, Ohio
Fitzgerald, Jane	Cyclone, Pa.
Frenkian, Diana	Maywood, N. J.
Fussaro, David	Oakmont, Pa.
Glassbrenner, William	Wexford, Pa.
Graham, Linda	Pittsburgh, Pa.
Griffin, Edison	Newburg, N. Y.
Gurney, Kenneth	Cleveland, Ohio
Hall, Larry	Barberton, Ohio
Hankins, Billie	Pittsburgh, Pa.
Happell, Diane	Westport, Conn.
Harris, Drinda	Niagara Falls, N. Y.
Hauptfuehrer, Kurt	Bethany, W. Va.
Haynam, Harvey	Kinsman, Ohio
Healy, Andrea	Bronx, N. Y.
Hebel, Pamela	Haworth, N. J.
Heller, Anthony	Falls Church, Va.
Helmstead, George	Closter, N. J.
Herrick, Michael	Mingo Junction, Ohio
Hickok, William	Harrisburg, Pa.
Hintz, Pamela	Glen Rock, N. J.
Hogan, Ernest	Skillman, N. J.
Hoshowsky, Christine	Rochester, N. Y.
Huggins, Patricia	Charleston, W. Va.
Hunt, Charlotte	McDonald, Ohio
Jackson, Ellen	Minerva, Ohio
Jaeger, Donald	Morris Plains, N. J.
Jahre, Jeffrey	Brooklyn, N. Y.
James, Evan	Poland, Ohio
Kelly, William	East Liverpool, Ohio
King, Lynda	Pittsburgh, Pa.
Kistler, Allyn	Pittsburgh, Pa.
Klein, Michael	Flushing, N. Y.
Knight, Georgia	Warren, Ohio
Koontz, Charlotte	Johnstown, Pa.
Kradel, Paul	Butler, Pa.
Kramer, Lois	Great Barrington, Mass.

Krayer, Martha	Summit, N. J.
Kreuger, Linda	Orchard Park, N. Y.
Kupchik, Allen	Hewlett, N. Y.
Kurey, Michael	Monessen, Pa.
Ladd, David	Hamden, Conn.
Laird, Samuel	Medina, Pa.
Larrick, Judy	Butler, Pa.
Leahy, Charles	Tenafly, N. J.
Leighen, Barbara	Moorestown, N. J.
Lester, Martha	Baden, Pa.
MacFarlane, Jean	Weston, Conn.
Mallalieu, Frank	Scotch Plains, N. J.
Mansfield, Richard	Marietta, Ohio
Mayercheck, Joseph	Connellsville, Pa.
McConnell, Lynn	White Plains, N. Y.
Meilton, Roger	Beaver, Pa.
Mendrzycki, James	Carnegie, Pa.
Merrigan, William	Troy, N. Y.
Miller, Donald	Uniontown, Pa.
Miller, Frank	Steubenville, Ohio
Miller, Jill C.	Claysville, Pa.
Miller, Michael	Washington, D. C.
Mishkin, Kenneth	Forest Hills, N. Y.
Mitchell, Wilson	Columbus, Ohio
Mohr, Kenneth	Shelbyville, Ind.
Moneyhan, Gayle	Steubenville, Ohio
Monroe, Nancy	S. Charleston, W. Va.
Muller, Patricia	Roslyn, L. I., N. Y.
Murphy, Michael	Greensburg, Pa.
Najar, Barbara	Wyckoff, N. J.
Nevius, George	Plainfield, N. J.
Nonemaker, Richard	Glen Ridge, N. J.
O'Brien, Roger	Marion, Ind.
Ohle, David	Steubenville, Ohio
O'Roark, James	Weirton, W. Va.
Ossen, Leslie	Norwalk, Conn.
Pappas, Edward	Neptune, N. J.
Parker, Priscilla	Salisbury, Md.
Pitkin, Pamela	Wheeling, W. Va.
Possinger, Jean	Ridgway, Pa.
Powers, Susan	Montpelier, Ohio
Pruitt, Mary	Pittsburgh, Pa.
Puncheon, Robert	Brilliant, Ohio
Quinn, Patricia	Canton, Ohio
Ramming, Carl	Union City, N. J.
Reeve, Mary	Coraopolis, Pa.
Riggs, Robert	Wellsville, N. Y.
Riley, John	Westwood, N. J.
Ripper, Danjean	Butler, Pa.
Rollo, Edmund	Wellsburg, W. Va.
Schmid, Kenneth	Wexford, Pa.
Schollaert, Robert	Atlasburg, Pa.
Schonberg, Allan	Brooklyn, N. Y.
Setzer, Marilyn	Westfield, N. J.
Shaffer, Edgar	Pittsburgh, Pa.
Shapert, Gene	McKees Rocks, Pa.
Shields, Sarah	Kensington, Md.
Shutter, John	Ligonier, Pa.
Siegfried, Susan	Madison, N. J.

Sipprell, Robert	Buffalo, N. Y.
Smith, Carolyn	Chatham, N. J.
Smith, Nancy	Cheshire, Conn.
Smith, Wilson	Stratford, Conn.
Solar, Robert	Maynard, Ohio
Spanogians, James	Burgettstown, Pa.
Specht, Cecelia	Somerset, Pa.
Spiegelberg, Beth	Silver Spring, Md.
Steffen, Donald	Bronx, N. Y.
Stein, Jack	Ambridge, Pa.
Stein, Leon	Pittsburgh, Pa.
Stone, Everett	Merrick, N. Y.
Surawy, Tatiana	Clifton, N. J.
Taylor, John	Newtown, Conn.
Tegtman, William	Coral Gables, Fla.
Themmen, Arne	Teaneck, N. J.
Thomas, Gayle	Pittsburgh, Pa.
Titzel, Gary	Greenville, Pa.
Tobia, Jerry	Paterson, N. J.
Toth, Judith	Caldwell, N. J.
Trafton, Robert	Washington, D. C.
Waldstein, Jay	Teaneck, N. J.
Warner, William	Litchfield, Conn.
Weber, Paul	Somerset, Pa.
Weber, Peter	Somerset, Pa.
Weber, Sallie	Devon, Pa.
Weed, Joyce	Pittsburgh, Pa.
Williamson, Richard	Stratford, Conn.
Witmer, Paul	Buffalo, N. Y.
Wood, Martha	Essex Fells, N. J.
Woodruff, Mary	Charleston, W. Va.
Yanda, Larry	Dillonvale, Ohio
Zirkle, Irene	Blacksburg, Va.
Ziza, Maria K.	Hillsdale, N. J.

FRESHMEN

Abrams, Charles	Pittsburgh, Pa.
Aggers, Cheryl	Canonsburg, Pa.
Albert, Charles	Fair Haven, N. J.
Alexas, Freda	Washington, Pa.
Allen, Peter	Cheshire, Conn.
Allison, Jerry	Union City, Pa.
Anderson, Helen	Livingston, N. J.
Ashcraft, Linda	Toronto, Ohio
Ballouz, John	Atlantic Highlands, N. J.
Bassett, Lane	Export, Pa.
Bauman, George	New Castle, Pa.
Beachley, Virginia	Hagerstown, Md.
Bender, Ronald	Weirton, W. Va.
Berger, Sharon	Novelty, Ohio
Berggren, Raymond	Wilson, Conn.
Bertram, John	Wellsburg, W. Va.
Bertram, William	Canonsburg, Pa.
Bloch, Paul	Queens Village, N. Y.
Blower, Warren	Brecksville, Ohio
Boehm, Lois	Brooklyn, N. Y.
Bradley, Robert	Huntington, W. Va.
Brand, Jane	Pittsburgh, Pa.

Brooks, Stephen	Wheeling, W. Va.
Brown, Charles	Corpus Christi, Texas
Brown, Geoffrey	Fair Lawn, N. J.
Brown, Marilyn	McKeesport, Pa.
Burke, David	Pittsburgh, Pa.
Burnett, Douglas	Livingston, N. J.
Burrall, Charles	Philadelphia, Pa.
Capstaff, James	St. Thomas, Virgin Islands
Case, Neil	Riverdale, N. J.
Cipriani, Patsy	Follansbee, W. Va.
Clark, Richard	Montclair, N. J.
Clayman, Michael	Washington, D. C.
Clayton, Stephen	Philadelphia, Pa.
Cobb, Marilyn	Painesville, Ohio
Coffield, Susan	New Martinsville, W. Va.
Cooper, Richard	Rockville, Md.
Coundjeris, Arthur	Whitestone, N. Y.
Coundjeris, Barbara	Whitestone, N. Y.
Cramblet, Donna	Bethany, W. Va.
Culbert, Sue	McKeesport, Pa.
Cullinane, James	Linden, N. J.
Cummings, Donna	Falls Church, Va.
Cureton, Ann	McKeesport, Pa.
Dalzell, Margaret	Pittsburgh, Pa.
Davis, Donna	Ridgefield, N. J.
Davis, James	Wheeling, W. Va.
Davis, Roy	Winter Park, Fla.
DeCanio, Rudy	Demarest, N. J.
Decker, Barbara	Westwood, N. J.
Deer, Robert	Elizabeth, Pa.
Deitch, Larry	Salem, Ohio
DeMarco, Ronald	Orange, Conn.
Deutsch, Diane	Ridgewood, N. J.
DiRienzo, Donna	Nutley, N. J.
Douglas, Jeffrey	Brooklyn, N. Y.
Duesselmann, Gail	Huntington, N. Y.
Durdan, Donald	McKees Rocks, Pa.
Eckert, Judith	Ocean City, N. J.
Eckert, Robert	Kinderhook, N. Y.
Eddy, Patricia	Salem, Ohio
Edele, Carol	Ridgewood, N. J.
Ehlers, John	Pittsburgh, Pa.
Ejzak, Paul	Pittsburgh, Pa.
Elliott, Dawna	Pittsburgh, Pa.
Elliott, Trudy	Rayland, Ohio
Embick, Greg	Drexel Hill, Pa.
Erisman, Linda	Cleveland Hgts., Ohio
Erskine, John	Pittsburgh, Pa.
Evans, Juanita	Monessen, Pa.
Fairbrother, Charles	Stonington, Conn.
Farkas, Sol	Valley Stream, N. Y.
Fetterman, Scott	Pittsburgh, Pa.
Fidali, Kenneth	Matawan, N. J.
Filler, Leonard	Salem, Ohio
Fink, Lloyd	Teaneck, N. J.
Finlay, Karen	Cleveland Hgts., Ohio
Fleming, Kathleen	Millersburg, Ohio
Fleming, Patricia	Pleasantville, Pa.
Forbes, James	Madison, N. J.

Forman, Patricia	Ridgewood, N. J.
Fowler, Sandra	Bethany, W. Va.
Friedlieb, Ellen	Hewlett, N. Y.
Frohring, Wayne	Newbury, Ohio
Frush, Betsy	Mansfield, Ohio
Gardini, Fred	Bridgeport, Ohio
Garofalo, Joseph	Livingston, N. J.
Garrity, Thomas	Wichita, Kansas
Gast, Marilyn	Wheeling, W. Va.
Gates, Margaret	Woodbridge, Va.
Gearhart, Herbert	Drexel Hill, Pa.
Geisel, Viola	Brooklyn, N. Y.
German, Gail	Westfield, N. J.
Goldstein, Robert	Beverly Hills, Calif.
Graddock, Omar	N. Caldwell, N. J.
Grafman, Leslie	New York, N. Y.
Grummick, Sheila	Washington, Pa.
Guder, Lowman	Brownsville, Pa.
Guth, Kenneth	Westfield, N. J.
Haddad, Kate	Williamsville, N. Y.
Hall, Darwin	Washington, D. C.
Hammar, Mary	Scotch Plains, N. J.
Harris, Fred	Warren, Ohio
Hatefi, Abdollah	Teheran, Iran
Hecht, Joan	Smoke Rise, Butler, N. J.
Heins, Barbara	Westwood, N. J.
Herbert, Victor	Western Springs, Ill.
Heritage, Howard	Richwood, N. J.
Herrle, Benjamin	Medina, Ohio
Hirsch, Bennett	Belle Harbor, N. Y.
Hoffman, Howard	Pittsburgh, Pa.
Hopper, Thomas	Roosevelt, N. Y.
Horn, Barbara	Pittsburgh, Pa.
Hottel, Robert	Steubenville, Ohio
Hubbell, James	Pittsburgh, Pa.
Hughes, Marilyn	Finleyville, Pa.
Hunt, Walter	Linwood, N. J.
Hunter, Eugene	Wellsburg, W. Va.
Hutsko, Robert	McKeesport, Pa.
Ickes, Barbara	Canton, Ohio
Ilnicki, Kathleen	McKees Rocks, Pa.
Jackson, Theodore	Jackson Hgts., N. Y.
Johnson, Beverly	Annandale, Va.
Johnston, Pamela	Pittsburgh, Pa.
Karl, Donald	Summit, N. J.
Kearns, Margaret	Reynoldsburg, Ohio
Kennen, Carole	Wheeling, W. Va.
Keys, Arthur	Washington, Pa.
Kidd, Edward	Shaker Hgts., Ohio
Kinney, William	W. Alexander, Pa.
Kisner, Odbert	Fairmont, W. Va.
Kobelka, Barbara	N. Caldwell, N. J.
Kobylka, David	Lake Hiawatha, N. J.
Koch, Raymond	Verona, Pa.
Krayer, Wilma	Summit, N. J.
LaBarre, Joseph	Marietta, Ohio
Lambert, David	McKeesport, Pa.
Landsman, Sue	New York, N. Y.
Lane, Janet	Newark, Ohio

LaPorte, Gay	Uhrichsville, Ohio
Lasker, Susan	Hewlett, N. Y.
Lein, Linda	Maplewood, N. J.
Leslie, Joanne	Bethel Park, Pa.
Lewis, Kathleen	Pittsburgh, Pa.
Lindell, Barbara	Westwood, N. J.
Lindsay, Douglas	Canonsburg, Pa.
Locke, Joanne	Bridgeport, Conn.
London, Arlene	Fair Lawn, N. J.
Lovette, Virginia	Beesley's Point, N. J.
Lundquist, Wayne	Corpus Christi, Texas
Lusk, Ben	Clairton, Pa.
MacGregor, Alma	Bethel Park, Pa.
MacKenzie, Roderick	Wynnewood, Pa.
Mader, John	Scotch Plains, N. J.
Manning, Brooke	New Canaan, Conn.
Manzini, John	Oakdale, Pa.
Mawhinney, Patricia	Johnstown, Pa.
McGinley, Clara	Merchantville, N. J.
McGrath, Charles	Lincoln Park, N. J.
McNally, John	Pittsburgh, Pa.
Michele, Mary	Montclair, N. J.
Miller, David	Pittsburgh, Pa.
Miller, Kenneth	Pittsburgh, Pa.
Miller, Nancy	Paris, Pa.
Moran, Jack	Pittsburgh, Pa.
Moses, Clayton	Washington, Pa.
Moshier, James	Cleveland, Ohio
Muzik, Stephen	Frederick, Md.
Myers, Georgia	Pittsburgh, Pa.
Nagle, Sally	Garden City, N. Y.
Nawabi, Ardavan	Teheran, Iran
Nee, William	Solon, Ohio
Nern, Douglas	Wheeling, W. Va.
Newcomb, Rae	N. Haven, Conn.
Newcomer, Richard	Ridley Park, Pa.
Ogden, Daniel	Chagrin Falls, Ohio
Oguss, David	Far Rockaway, N. Y.
Olson, Margaret	Fair Lawn, N. J.
Osborne, Ronaleen	Long Bottom, Ohio
Pappas, John	New Castle, Pa.
Patterson, JoAnne	Bethany, W. Va.
Patterson, Vance	Grove City, Pa.
Perlberg, Joan	New Canaan, Conn.
Peterson, John	Upper Montclair, N. J.
Petty, Judith	Bethany, W. Va.
Phelan, Carolyn	Golf, Ill.
Pierce, Wayne	Pittsburgh, Pa.
Pindus, Ellen	Merrick, N. Y.
Ply, Richard	Boonton, N. J.
Polack, Edward	Wheeling, W. Va.
Poore, Eugenia	Bratenahl, Ohio
Porter, Richard	Fairfield, Conn.
Preston, Emily	Angola, Ind.
Price, David	Bethany, W. Va.
Price, Marilyn	Livingston, N. J.
Prostinak, Marcia	Wheeling, W. Va.
Rabinowitz, Neil	Brooklyn, N. Y.
Rackley, Frank	Washington, Pa.

Radcliffe, Margaret	Levittown, N. Y.
Rahmlow, Richard	Westwood, N. J.
Rasdale, Cynthia	Tampa, Fla.
Reed, William	Baldwin, N. Y.
Rehm, Randolph	Little Ferry, N. J.
Riegel, Suzanne	Trenton, N. J.
Riley, Robert	Munhall, Pa.
Robinson, William B.	Maplewood, N. J.
Rodnok, Susan	Oakmont, Pa.
Rogers, Robert	Bergenfield, N. J.
Rose, Russell	Springfield, N. J.
Rosensteele, Donna	Grand Island, N. Y.
Samuels, Arnold	Pittsburgh, Pa.
Schempp, Edward	N. Plainfield, N. J.
Schnell, James	Westwood, N. J.
Schreiber, George	Pittsburgh, Pa.
Schultz, Gordon	Pittsburgh, Pa.
Scovel, Constance	Pittsburgh, Pa.
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Sparks, Suzanne	St. Clairsville, Ohio
Spoonley, Harriet	N. Tonawanda, N. Y.
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Staples, Linda	Baltimore, Md.
Steinford, Marion	Watchung, N. J.
Stevenson, Edward	Claysville, Pa.
Stewart, John	Meriden, Conn.
Swindler, Billie	Warren, Ohio
Taylor, Eloise	W. Chester, Pa.
Taylor, Karen	Warren, Ohio
Tischler, Irwin	Teaneck, N. J.
Trotter, John	Merion Station, Pa.
Ueland, Stephen	New Hyde Park, N. Y.
Uhrig, James	Irwin, Pa.
Vensel, Bernard	Butler, Pa.
Vissering, Nancy	N. Hampton, N. H.
Vlahakis, Valerie	Staten Island, N. Y.
Walters, Ramona	Bethany, W. Va.
Walters, Robert	Cleveland Hgts., Ohio
Watt, Thomas	New Kensington, Pa.
Wattel, William	Forest Hills, N. Y.
Watts, Rebecca	Marblehead, Mass.
Weeda, Joseph	Washington, D. C.
Weil, Steven	Cranston, R. I.
Wells, William	Livingston, N. J.
Welton, Philip	Pittsburgh, Pa.
Whitaker, Mary	Weirton, W. Va.
White, Robert	Canonsburg, Pa.
White, Rosanne	Holden, W. Va.
Wollison, Herbert	Youngstown, Ohio
Wolovitz, Gary	Pittsburgh, Pa.
Worsencroft, Howard	Poland, Ohio

Yoak, Don	Wheeling, W. Va.
Yoder, Susan	Friedens, Pa.
Young, Sandra	Milford, Conn.

UNCLASSIFIED STUDENTS

Alfieri, Frank	Syosset, N. Y.
Argote, Daniel	Bronx, N. Y.
Arnold, C. Marc	Bethany, W. Va.
Bastian, Cathryn	McMurray, Pa.
Bolinger, Herman	Moundsville, W. Va.
Boyd, Ted	Portsmouth, Ohio
Boyle, Geoffrey	Willowick, Ohio
Brink, Barry	Grosse Points Farms, Mich.
Bryan, Rebecca	Wheeling, W. Va.
Carty, Marjorie	Bethany, W. Va.
Craig, Joan	Wellsburg, W. Va.
Craig, Linda	Wellsburg, W. Va.
Cuomo, Joseph	Follansbee, W. Va.
Currence, Robert	Verona, Pa.
Czika, Gregory	Cleveland, Ohio
Dick, Wayne	Wheeling, W. Va.
Dowden, Virginia	Bethany, W. Va.
Farrell, James	Wheeling, W. Va.
Franklin, Annette	Bethany, W. Va.
Frantz, Parris	Charleroi, Pa.
Gardner, Barry	Brilliant, Ohio
Garner, Norma	Bethany, W. Va.
Hamilton, Carol	Bethany, W. Va.
Hamilton, J. Jefferson	Bethany, W. Va.
Hanna, Jeff	Bethany, W. Va.
Harvuot, Judith	Dayton, Ohio
Havell, Pamela	Morristown, N. J.
Hofman, Heidrun	Hamburg, Germany
Kemp, Karen	Bethany, W. Va.
Lotz, Eileen	Montclair, N. J.
Loper, Kathleen	Wayne, N. J.
McCloy, Mark	Pittsburgh, Pa.
Miller, Harry	Connellsville, Pa.
Morgan, George	Wheeling, W. Va.
Mudie, David	Orange, Conn.
Neff, Donald	Bethel Park, Pa.
Novotny, Raymond	Cleveland, Ohio
Peterson, Giuliana	Bethany, W. Va.
Petty, Dorothy	Bethany, W. Va.
Reilly, Molly	Bethany, W. Va.
Schloss, Nancy	W. Hartford, Conn.
Soly, Sieglinde	Bethany, W. Va.
Stucky, Marie	Lausanne, Switzerland
Sykes, Joanne	Bethany, W. Va.
Vargas, Angelita	Alajuela, Costa Rica
Walters, Myron	Bethany, W. Va.
Wright, Betty	Bethany, W. Va.

OHIO VALLEY HOSPITAL NURSES

Adams, Judy	Hazard, Ky.
Bender, Judith	Steubenville, Ohio
Boroski, Susan	Dillonvale, Ohio
Bracciale, Donna	Charles Town, W. Va.

Branagan, Sally	Steubenville, Ohio
Bucey, Shelley	Dillonvale, Ohio
Call, Mary	Wellsburg, W. Va.
Fomenko, Barbara	Dillonvale, Ohio
Franckel, Charlene	Brilliant, Ohio
Hall, Carol	Steubenville, Ohio
Hanlin, Sandra	Toronto, Ohio
Harrison, Billie	Toronto, Ohio
Holman, Sherry	Brilliant, Ohio
Kalamarie, Carole	Steubenville, Ohio
Kleiner, Laura	Toronto, Ohio
Kuhns, Mary Lou	Steubenville, Ohio
Kurty, Rosemary	Toronto, Ohio
McClain, Ethel	Richmond, Ohio
McMillan, Mary	Dillonvale, Ohio
Murray, Jeris	Wellsville, Ohio
Pabian, Cheryl	Hamburg, N. Y.
Perry, Patricia	Wintersville, Ohio
Pillar, Mary Ann	Toronto, Ohio
Shaffer, Pricilla	Steubenville, Ohio
Sikora, Ann	Youngstown, Ohio
Tarr, Linda	Mingo Junction, Ohio
Vance, Linda	Steubenville, Ohio
Wells, Jennie	Steubenville, Ohio
Wilson, Frances	Germano, Ohio

ACADEMIC YEAR

1963-1964

ENROLLMENT BY CLASSES

	Full Time		Part Time		Total
	Men	Women	Men	Women	
Seniors	102	53	6	5	166
Juniors	88	42	1	...	131
Sophomores	102	71	...	...	173
Freshmen	150	111	...	...	261
Unclassified	18	10	5	43	76
Total	460	287	12	48	807

ENROLLMENT BY STATES AND FOREIGN COUNTRIES

California	1
Connecticut	43
COSTA RICA	1
Florida	6
GERMANY	1
GREECE	1
Illinois	3
Indiana	5
IRAN	2
Kansas	1
Kentucky	2
Maryland	12
Massachusetts	5
Michigan	2
Missouri	1
New Hampshire	2
New Jersey	141
New York	98
Ohio	127
Pennsylvania	218
Rhode Island	2
SWITZERLAND	1
Texas	4
Virginia	8
VIRGIN ISLANDS	1
Washington, D. C.	5
WEST INDIES	1
West Virginia	113

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BEQUESTS

Gifts to the college may take the form of lectureships, of scholarships, of professorships, of additions to the material equipment, or of contributions to the permanent endowment fund or the current expense fund of the college. Special conditions may, of course, be attached to any gift. Forms of bequests are suggested as follows:

A. UNRESTRICTED BEQUEST

I give, devise, and bequeath to the Trustees of the Bethany College, a corporation established by law at Bethany in the State of West Virginia, the sum of _____ dollars, to be applied to the general uses and purposes of the said institution.

B. UNRESTRICTED BEQUEST MAKING THE COLLEGE RESIDUARY LEGATEE

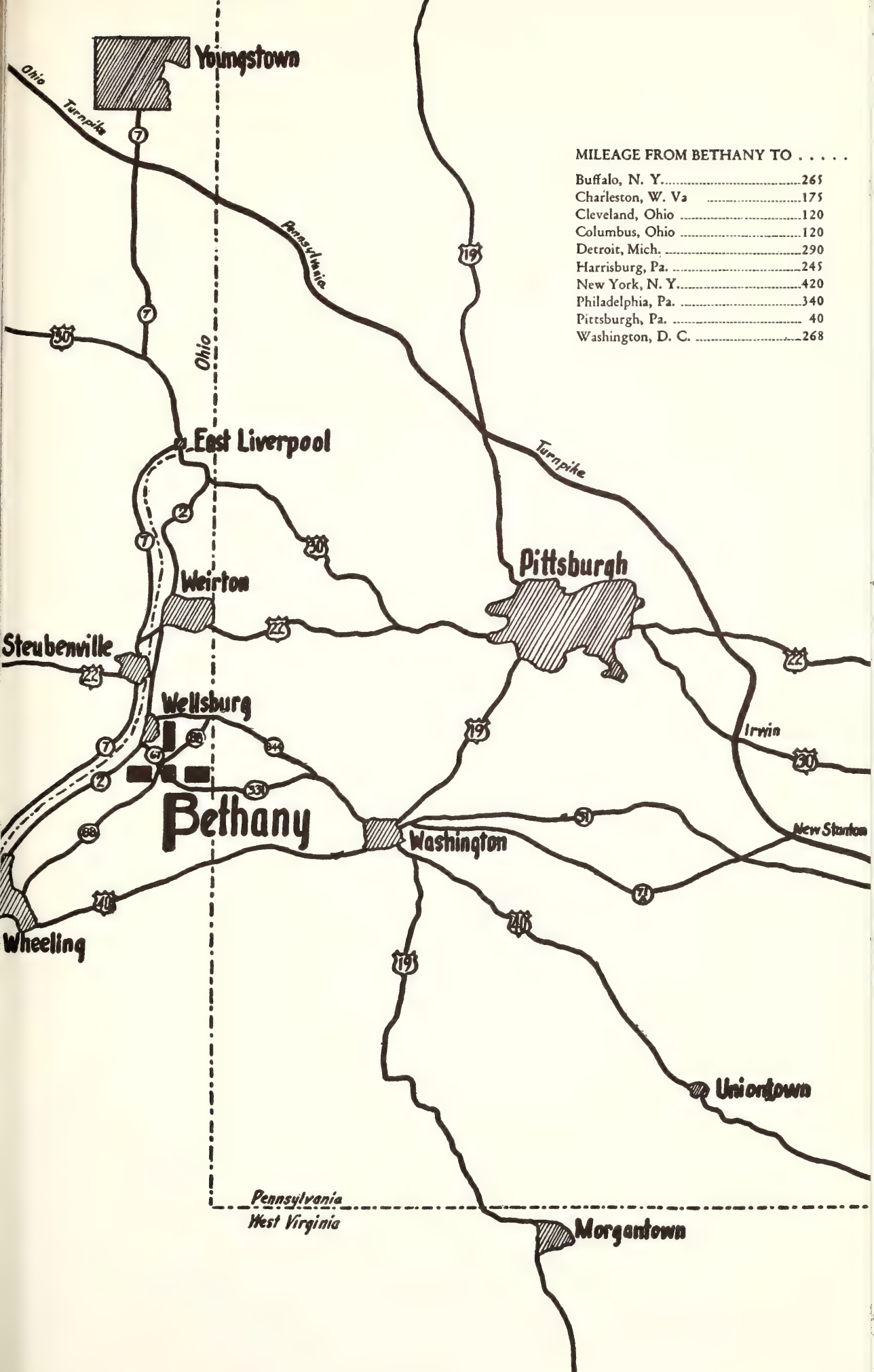
All the rest, residue, and remainder of my estate, real and personal, I devise and bequeath to the Trustees of the Bethany College, a corporation established by law at Bethany in the State of West Virginia, to be applied to the general uses and purposes of the said institution.

C. BEQUEST FOR ENDOWMENT

I give, devise, and bequeath to the Trustees of the Bethany College, a corporation established by law at Bethany in the State of West Virginia, the sum of _____ dollars to be invested and preserved inviolably for the endowment of Bethany College.



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ATHENS, OHIO

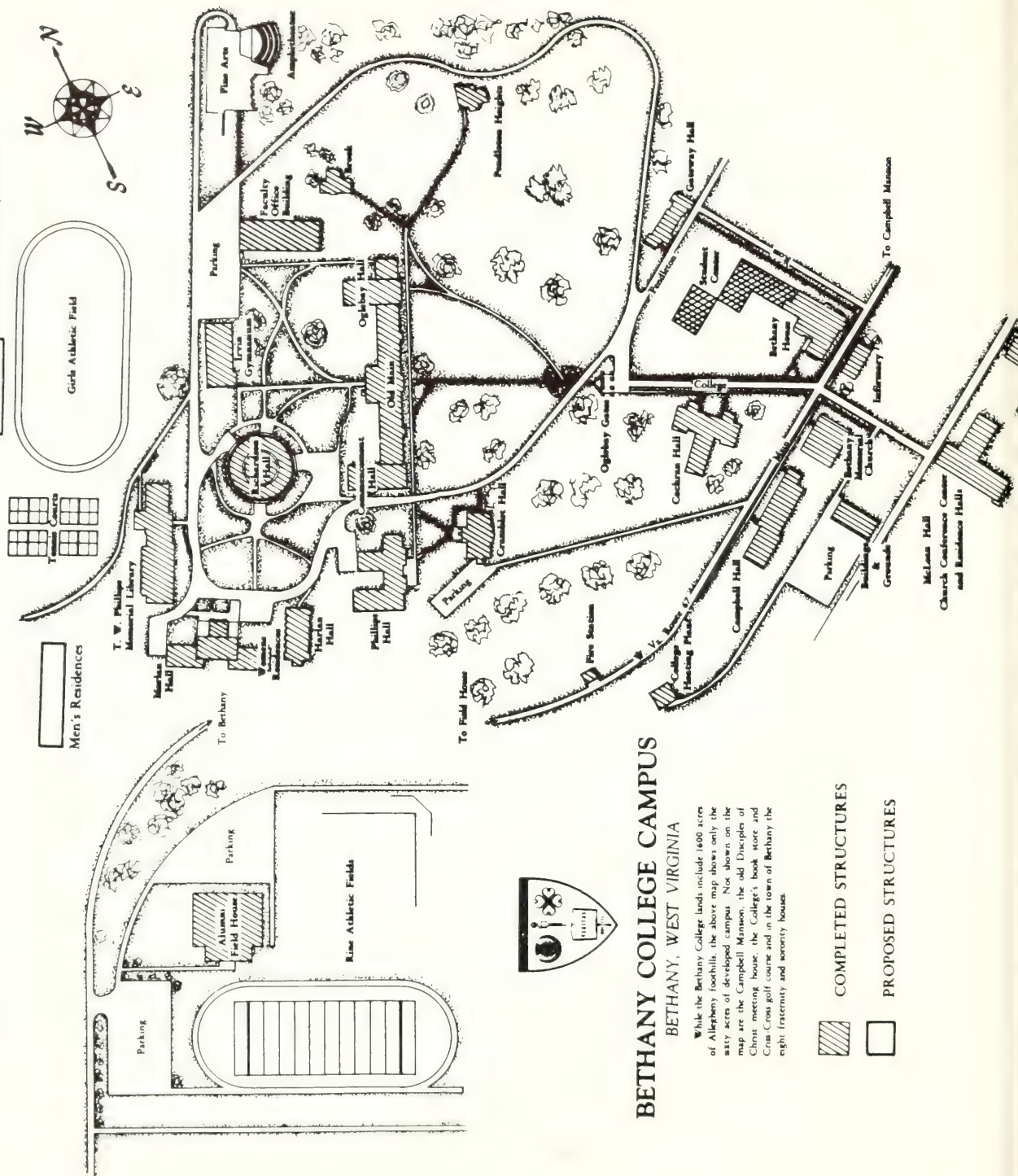






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BETHANY COLLEGE

Bethany, W. Va.

CATALOGUE NUMBER

1965-1966

THE ONE HUNDRED AND TWENTY-FIFTH
ACADEMIC YEAR

CHARTERED AS A COLLEGE
MARCH 2, 1840 BY THE ASSEMBLY OF VIRGINIA
BUFFALO SEMINARY INSTITUTE IN 1818

CORRESPONDENCE DIRECTORY

Correspondence should be addressed as indicated below:

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ADMINISTRATIVE AND FINANCIAL MATTERS

Vice President

EDUCATIONAL AND INSTRUCTIONAL PROGRAM

Dean of Faculty

STUDENT INTERESTS AND FINANCIAL AID

Dean of Students

BUSINESS MATTERS, STUDENT ACCOUNTS AND PURCHASING

Business Manager

ACADEMIC RECORDS

Registrar

ADMISSION

Director of Admission

ALUMNI RELATIONS

Director of Alumni Relations

DEVELOPMENT

Director of Community Relations

PUBLIC RELATIONS AND PUBLICITY

Director of Public Relations

CALENDAR

1965—1966

JUNE						
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1966—1967

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DECEMBER

COLLEGE CALENDAR FOR 1965-1966

FIRST SEMESTER

1965

Sept. 10-11	Friday-Saturday	Faculty Seminar
Sept. 11	Saturday	Residences open to new students
Sept. 12-15	Sunday-Wednesday	Orientation and evaluation for new students
Sept. 15	Wednesday	Registration Day for freshmen and transfer students
Sept. 16	Thursday 8:00 A.M.	Classes begin for freshmen and transfer students
Sept. 16	Thursday	Registration Day for upperclassmen
Sept. 17	Friday 8:00 A.M.	Classes begin for upperclassmen
Sept. 23	Thursday	Formal Convocation
Sept. 30	Thursday	Last day for re-adjustment of schedule without penalty and last day to register for full class program (12 credit hours)
Oct. 2	Saturday	Homecoming
Nov. 13	Saturday, Noon	Mid-semester grades are called
Nov. 15,16,17	Monday-Wednesday	Christian Living Emphasis Week
Nov. 24	Wednesday, Noon	Thanksgiving recess begins
Nov. 29	Monday 8:00 A.M.	Thanksgiving recess ends
Nov. 29-Dec. 4	Monday-Saturday	Advance Enrollment for second semester
Nov. 30	Tuesday	Election to recognition societies
Dec. 4	Saturday	Modern Language Reading Test
Dec. 8-9	Wednesday-Thursday A.M.	Graduate Record Examination
Dec. 17	Friday	All College Christmas Party
Dec. 18	Saturday, Noon	Christmas recess begins

1966

Jan. 3	Monday 8:00 A.M.	Christmas recess ends
Jan. 24-29	Monday-Saturday	Final Examinations for first semester

CALENDAR FOR 1966

SECOND SEMESTER

Feb. 6	Sunday	Residences open to new students
Feb. 6-7	Sunday-Monday A.M.	Orientation and evaluation for new students
Feb. 7	Monday	Registration Day, ALL STUDENTS
Feb. 8	Tuesday 8:00 A.M.	Classes begin for all students
Feb. 12	Saturday	Last day for re-adjustment of schedule without penalty and last day for registration for full class program (12 credit hours)
Feb. 15	Tuesday	Formal Convocation
March 3	Thursday	Founder's Day
March 11	Friday	Election to recognition societies
March 11-12	Friday-Saturday	Sophomore Comprehensive Examination (Required of all Sophomores)
March 14-19	Monday-Saturday	Fine Arts Festival
April 2	Saturday, Noon	Mid-semester grades are called
April 2	Saturday, Noon	Spring recess begins
April 12	Tuesday 8:00 A.M.	Spring recess ends
April 14	Thursday	Honors Day
April 18-19	Monday-Tuesday	Ministers' Workshop and Oreon E. Scott Lecture
April 23	Saturday	Modern Language Reading Test
April 25-30	Monday-Saturday	Advance Enrollment 1966-1967
April 28-29	Thursday-Friday	Political Science Seminar
April 30	Saturday	"May" Morning Breakfast for College Women
May 6,7,8	Friday-Sunday	Spring Festival
May 8	Sunday	Mothers' Day
May 12	Thursday	Reading Period begins for seniors
May 23-27	Monday-Friday	Senior Comprehensive Examinations
May 30-June 4	Monday-Saturday	Final Examinations for second semester
June 2	Thursday	Faculty meeting
June 3	Friday	Annual Meeting of the Board of Trustees
June 4	Saturday	Alumni Day
June 5	Sunday	125th Annual Commencement

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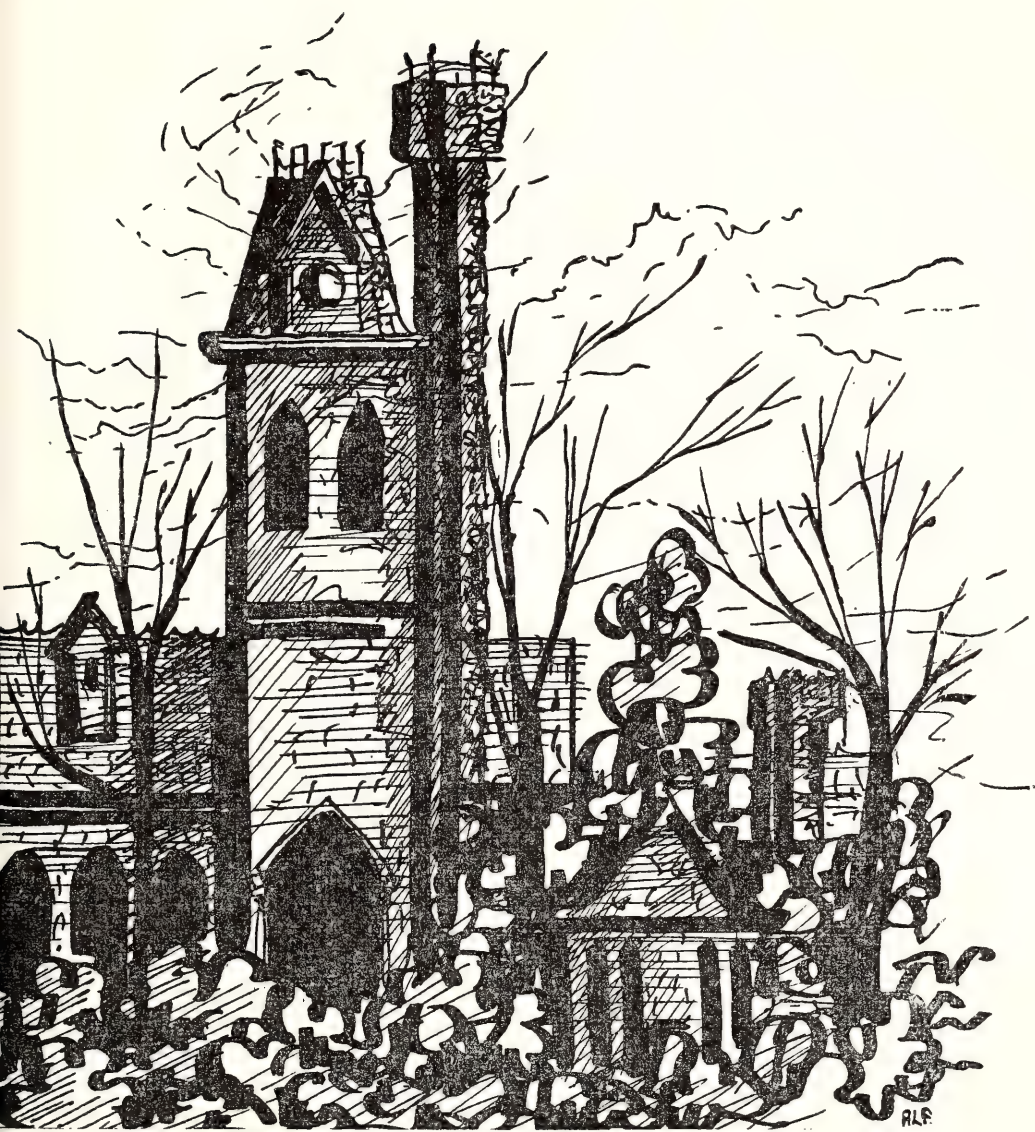
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THE COLLEGE

BOARD OF TRUSTEES

OFFICERS OF THE BOARD

MAYNARD L. PATTON, *Chairman*
PERRY E. GRESHAM, *President*
WARNER G. PETERSON, *Treasurer*
CHARLES D. BELL, *Secretary*

MEMBERS OF THE BOARD

TERM EXPIRES JUNE, 1966

CARL CLAYTON 1320 Enquirer Building, Cincinnati 2, Ohio
MERRITT J. DAVIS Banner Fibreboard Co., Wellsburg, West Virginia
ROBERT D. HURL Shelby Salesbook Company, Shelby, Ohio
M. J. KASARDA Farmers and Merchants National Bank Building,
Bellaire, Ohio
JOHN MARSHALL 528 Union Trust Building, Washington 5, D. C.
JUNIOUS T. MOORE Box 2311, Charleston 28, West Virginia
FRANK L. WIEGAND, JR. ..855 Academy Place, Pittsburgh 16, Pennsylvania
A. H. WILSON 410 Forest Lake Drive, Wilmington, Ohio
AUSTIN V. WOOD Wheeling News Publishing Company
1500 Main Street, Wheeling, West Virginia

TERM EXPIRES JUNE, 1967

GEORGE J. BARTHOLD Miners and Mechanics Savings and Trust Co.,
132 N. 4th Street, Steubenville, Ohio
COURTNEY BURTON Hanna Building, Cleveland, Ohio
PHILIP K. HERR Pittsburgh National Bank, 414 Wood St.,
Pittsburgh, Pennsylvania
MISS PEARL MAHAFFEY Bethany, West Virginia
CHARLES H. MANION 1222 Pleasant Avenue, Wellsburg, West Virginia
DR. J. PARK McMULLEN 700 Charles Street, Wellsburg, West Virginia
CHARLES E. PALMER Peoples Union Bank and Trust Company,
McKeesport, Pennsylvania
W. ARTHUR RUSH Art Rush, Inc. 357 N. Canon Drive,
Beverly Hills, California
HOLLIS L. TURLEY Pension Fund of Disciples of Christ
800 Test Building, Indianapolis 4, Indiana

TERM EXPIRES JUNE, 1968

ROY S. ADKINS 330 Madison Ave., New York, New York
CHARLES D. BELL 67 7th Street, Wellsburg, West Virginia
A. DALE FIERs Ex. Secy. Int. Con. Chr. Churches Disciples of Christ
221 Ohmer Ave., Indianapolis, Ind.
HAMILTON C. FORMAN 1524 Coral Ridge Drive, Fort Lauderdale, Fla.
C. ALLEN HARLAN Harlan Electric Company, 901 West Milwaukee,
Detroit 2, Michigan
KARL B. LUTZ 653 Racine Avenue, Pittsburgh 16, Pennsylvania
MAYNARD L. PATTON 35 Cliffview Avenue, Fort Thomas, Kentucky
DR. R. R. RENNER 1259 Oakridge, Cleveland 21, Ohio
MRS. A. E. WRIGHT, SR. 95 Ben Lomond Street, Uniontown, Pa.

FACULTY REPRESENTATIVE TO THE BOARD

PROFESSOR ROBERT G. GOIN (June 1968) Bethany, West Virginia

COMMITTEES OF THE BOARD OF TRUSTEES

EXECUTIVE (Elected)

Charles H. Manion, Chairman; Carl W. Clayton, Merritt J. Davis, A. Dale Fiers, C. Allen Harlan, Robert D. Hurl, Michael J. Kasarda, J. Park McMullen, C. E. Palmer, Maynard L. Patton, Frank L. Wiegand.

FINANCE, BUDGET AND AUDIT (Elected by Executive Committee)

J. Park McMullen, Chairman; Merritt J. Davis, Charles H. Manion, (Charles D. Bell, Ex-Officio).

INVESTMENT (Elected)

C. E. Palmer, Chairman; Phillip K. Herr, Charles H. Manion, Frank L. Wiegand, (W. G. Peterson, Ex-Officio).

BUILDINGS AND GROUNDS

Merritt J. Davis, Chairman; Carl W. Clayton, Robert D. Hurl, Michael J. Kasarda, Charles H. Manion.

CHURCH RELATIONS

Hollis L. Turley, Chairman; George J. Barthold, Hamilton C. Forman, Frank L. Wiegand, Albert H. Wilson.

NOMINATING

Charles D. Bell, Chairman; J. Park McMullen, Maynard L. Patton, R. R. Renner, A. Dale Fiers.

STUDENT-FACULTY-ALUMNI RELATIONS

Michael J. Kasarda, Chairman; A. Dale Fiers, Pearl Mahaffey, C. E. Palmer.

PUBLIC RELATIONS

Karl B. Lutz, Chairman; W. Arthur Rush, Austin V. Wood.

DEVELOPMENT CAMPAIGN COMMITTEES

DEVELOPMENT FUND: C. Allen Harlan, Chairman; Roy S. Adkins, Courtney Burton, Carl W. Clayton, Philip K. Herr, John Marshall, J. Park McMullen, Maynard L. Patton.

WILLS AND ANNUITIES: Richard R. Renner, Chairman; W. Arthur Rush, Hollis L. Turley, Frank L. Wiegand, Mrs. A. E. Wright.

OFFICERS OF ADMINISTRATION

OFFICE OF THE PRESIDENT

PERRY EPLER GRESHAM	<i>President</i>
JAMES W. CARTY, JR.	<i>Director of Public Relations and Publications</i>
JOHN GERALD PATTERSON	<i>Director of Community Relations</i>
HAROLD C. DOSTER	<i>Assistant to the President,</i> <i>Alumni Relations and Special Development</i>
FARRELL D. WALTERS	<i>Director of Church Relations and</i> <i>Ministerial Training</i>

OFFICE OF THE EXECUTIVE VICE-PRESIDENT

WARNER G. PETERSON	<i>Executive Vice-President</i>
JERRY L. JONES	<i>Business Manager</i>
HARLIE B. DUNHAM	<i>Superintendent of Buildings and Grounds</i>
CECIL WELLS	<i>Asst. Superintendent of Buildings and Grounds</i>
LOIS J. COX	<i>Accountant</i>
PAUL E. WHITE	<i>Purchasing Agent and Manager of College Stores</i>
JAMES GRIBBEN	<i>Chief Engineer</i>
ALANSON O. TAYLOR	<i>Manager of Food Service</i>
JAMES J. BURNS	<i>Associate Manager of Food Service</i>
RUTH B. MARTIN	<i>Cashier</i>
GLENN COX	<i>Maintenance Supervisor of Residence</i>

OFFICE OF THE DEAN OF THE FACULTY

JOHN R. SALA	<i>Dean of the Faculty</i>
JOHN J. CLOPINE	<i>Librarian</i>
DALE A. REESE	<i>Assistant Librarian</i>
LUTA M. GORDON	<i>Registrar</i>
HELEN YOUNG CROSS	<i>Assistant to the Registrar</i>

OFFICE OF THE DEAN OF STUDENTS AND ADMISSION

ROBERT A. SANDERCOX	<i>Dean of Students and Admission</i>
DARLENE B. NICHOLSON	<i>Dean of Women</i>
JOSEPH M. KUREY	<i>Assistant to the Dean of Students</i>
JOHN GRAHAM	<i>Director of Admission</i>
WALTER KANIA	<i>Director of Counseling and Testing</i>
WILLIAM A. WYMAN	<i>Admission Counselor</i>
STEPHEN MONHEIM	<i>Admission Counselor</i>
BASIL P. PAPADIMITRIOU, M.D.	<i>College Physician</i>
CATHERINE SPRINGER, R.N.	<i>College Nurse and Supervisor of Infirmary</i>

FACULTY OF INSTRUCTION

PERRY EPLER GRESHAM, *President of the College on the M. M. Cochran Foundation.* (1953).

A.B., B.D., Texas Christian University; LL.D., Texas Christian University; Litt. D., Culver Stockton College; L.H.D., Chapman College; D.Ed., Transylvania College; University of Chicago; Columbia University.

WARNER G. PETERSON, *Executive Vice-President* (1952).

A.B., Allegheny College; Ohio State University.

JOHN R. SALA, *Dean of the Faculty* (1965).

A.B., Bethany College; M. A. West Virginia University; Ph.D. University of Chicago; University of Missouri; Union Theological Seminary.

PEARL MAHAFFEY, *Professor of Foreign Languages Emeritus.* (1908-1949).

A.B., Miami University; A.M., Columbia University; Litt. D., Bethany College; McGill University; University of Paris; National University of Mexico.

ANDREW LEITCH, *Sarah B. Cochran Professor of Psychology Emeritus.* (1920-1956).

A.B., A.M., Butler College; B.D., Ph.D., Yale University; D.D., Butler University; Columbia University; University of Chicago; University of Pennsylvania; Harvard University.

*EMMETT EPHRAIM ROBERTS, *Professor of Journalism Emeritus.* (1928-1960).

A.B., Ohio University; A.M., Ohio State University; New York University.

HARRY LAWRENCE ICE, *Director of Ministerial Training and Professor of Religion Emeritus.* (1944-1954).

A.B., A.M., Bethany College; Ph.D., George Washington University; D.D., Bethany College.

DANIEL SOMMER ROBINSON, *Professor of Philosophy Emeritus.* (1954-1958).

A.B., Butler College; A.M., Yale University; Ph.D., Harvard University; Litt. D., Marietta College; University of Breslau.

OSBORNE BOOTH, *T. W. Phillips Professor of Old Testament Emeritus.* (1929-1964).

A.B., Hiram College; B.D., Ph.D., Yale University; University of Chicago.

MARGARET ROBERTS WOODS, *Associate Professor of Foreign Languages Emeritus.* (1943-1961).

A.B., Wellesley College; A.M., Pennsylvania State University; Middlebury College; Columbia University; Colorado College; University of Besancon; University of San Luis Potosi.

WINIFRED WEBSTER (MRS.), *Dean of Women and Instructor in English Emeritus.* (1952-1960).

A.B., University of North Dakota; A.M., Columbia University.

*Deceased 1965

- WILBUR HAVERFIELD CRAMBLET, *Distinguished Service Professor of Mathematics*. (1917)
A.B., A.M., Bethany College; A.M. Ph.D., Yale University; LL.D., University of Pittsburgh; D.D., Drake University; LL.D., Culver-Stockton College; Litt.D., Texas Christian University.
- BERNAL ROBINSON WEIMER, *Distinguished Professor of Biology and Head of the Department*. (1921).
A.B., A.M., West Virginia University; Ph.D., University of Chicago.
- JOHN J. KNIGHT, *Professor of Physical Education and Head of the Department*. (1930).
A.B., West Virginia Wesleyan College; A.M., Ohio State University; University of Michigan.
- *JOHN STANLEY VALENTINE ALLEN, *Professor of Physics and Head of the Department*. (1933).
B.S. in E., M.S., Ph.D., Ohio State University; Massachusetts Institute of Technology; West Virginia University; Pennsylvania State University; University of Michigan; Georgetown University.
- BENJAMIN CHANDLER SHAW, *George T. Oliver Professor of History and Political Science and Head of the Department*. (1935).
A.B., Rollins College; A.M., Ph.D., University of North Carolina; American Academy in Rome; Royal University, Perugia, Italy.
- EARL D. MCKENZIE, *Professor of Foreign Languages and Head of the Department*. (1937).
A.B., Brown University; A.M., Columbia University; M. Litt., Ph.D., University of Pittsburgh; University of Frankfurt am Main; Yale University; University of Paris.
- HELEN LOUISE MCGUFFIE, *Professor of English and Head of the Department*. (1947).
A.B., Bethany College; A.M., University of Pittsburgh; Ph.D. Columbia University.
- JOHN DANIEL DRAPER, *Professor of Chemistry and Head of the Department*. (1951).
B.S., Franklin and Marshall College; Ph.D., University of Maryland; Michigan State University.
- ROBERT ASHER PRESTON, *Professor of Religion and Head of the Department*. (1955).
A.B., Texas Christian University; A.M., University of Chicago; Ph.D., University of Pittsburgh; Washburn University; Menninger School of Psychiatry; Yale University.
- WILBERT SCOTT RAY, *Professor of Psychology and Head of the Department*. (1956).
A.B., Washington and Jefferson College; A.M., Ph.D., University of Wisconsin.
- JAMES W. CARTY, JR., *Director of Public Relations and Publications and Professor of Journalism*. (1959).
A.B., Culver-Stockton; B.D., University of Chicago; M.S., Northwestern University; University of Oklahoma; George Peabody College; Scarritt College; Saltillo (Mexico) State Teachers College; Diploma from National University of Nicaragua.

JOHN A. SPENCE, *Professor of Education and Head of the Department, Director of the Summer School.* (1961).

B.S., in Ed., M.A., Ph.D., Ohio State University.

Hsioh-Ren Wei, *Professor of Physics.* (1963).

B.A., University of Nanking; Ph.D., University of Chicago.

H. DONALD DAWSON, *Professor of Chemistry.* (1963).

B.Sc., Denison University; M.Sc., Ph.D., Ohio State University.

BRADFORD TYE, *Associate Professor of Mathematics and Head of the Department.* (1943).

B.S., Alma White College; M.S., New York University; Rutgers University; Columbia University; University of Pittsburgh.

GEORGE K. HAUPTFUEHRER, *Associate Professor and Head of the Department of Music.* (1945).

A.B., B.M., Friends University; A.M., University of Kansas; Pittsburgh Musical Institute; Juilliard School of Music; Indiana University.

S. ELIZABETH REED, *Associate Professor of Physical Education.* (1945).

A.B., Muskingum College; M.Ed., University of Pittsburgh; University of Wisconsin; New York University; University of Wyoming; University of Southern California; University of Michigan.

*WILLIAM LEWIS YOUNG, *Associate Professor of History and Political Science,* (1950).

A.B., Bethany College; A.M., Ohio State University; Columbia University.

MARGARET MATHISON, *Associate Professor of Education.* (1951).

A.B., M.Litt., University of Pittsburgh; University of Southern California; Pennsylvania State University; Ohio State University.

JOHN RAYMOND TAYLOR, *Associate Professor of English, Director of the Honors Program.* (1955).

A.B., Bethany College; M.A., Princeton University; University of Akron; University of Kansas; University of Birmingham, England; University of Edinburgh.

HAROLD EDGAR MARTIN, JR., *Associate Professor of Health and Physical Education.* (1955).

A.B., Bethany College; A.M., University of Pittsburgh.

ROBERT H. SYKES, *Associate Professor of English.* (1956).

A.B., West Liberty State College; M.A., University of Pennsylvania; Ph.D., University of Pittsburgh.

*SHIRLEY GADDIS, *Associate Professor of Chemistry.* (1959).

A.B., M.S., University of Iowa; Ph.D., University of Missouri; University of Chicago; University of Illinois; Columbia University.

BARRIE RICHARDSON, *Associate Professor of Economics and Head of the Department.* (1962).

B.A., Carleton College; M.B.A., D.B.A., Indiana University; University of Colorado.

*On leave of absence.

*KENT K. McALEXANDER, *Assistant Professor of Art and Head of the Department.* (1959).

A.B., B.F.A., Washburn University; M.A., Ohio State University; University of Kansas; John Herron Art Institute; Carnegie Institute.

ROBERT GARNER GOIN, *Assistant Professor of Physical Education.* (1960).

A.B., Bethany College; M.S., West Virginia University.

EDWARD E. SWEET, JR., *Assistant Professor of Biology.* (1962).

B.S., M. Litt., Ph.D., University of Pittsburgh.

E. JANE PORTER, *Assistant Professor of Education.* (1962).

A.B., M.Ed., Ohio University; West Virginia University.

ROBERT EDWARD MYERS, *Assistant Professor of Philosophy.* (1964).

A.B., Bethany College; B.D., Texas Christian University; Ph.D., Ohio State University.

STANLEY WARREN HUFF, *Assistant Professor of Economics.* (1964).

A.B., Kenyon College; M.A., Princeton University.

RICHARD BRUCE KENNEY, *Assistant Professor of Religion.* (1964).

A.B., Washington University; B.D., Yale University; M.A., Yale University.

CARL L. SCHWEINFURTH, *Assistant Professor of History and Political Science.* (1964).

B.S., University of Oregon; M.A., University of Florida; Ph.D., Southern Illinois University.

ROBERT A. PATSIGA, *Assistant Professor of Chemistry.* (1964).

B.S., Geneva College; Ph.D., Syracuse University.

GARY E. LARSON, *Assistant Professor of Biology.* (1964).

B.S., M.S., New York State University, Albany; Ph.D., Rutgers University; Albany Medical College.

PAUL ROGER ERRINGTON, *Assistant Professor of Physics.* (1965).

M.S., Ph.D., West Virginia University.

HIRAM J. LESTER, *Assistant Professor of Religion.* (1965).

A.B., B.D., Phillips University; M.A., Yale University; Johnson Bible College.

WALTER KANIA, *Director of Counseling and Testing and Assistant Professor of Psychology.* (1965).

B.S., Ohio State University; B.D., Texas Christian University; Ph.D., Michigan State University.

MAURICE EUGENE WILSON, *Assistant Professor of Psychology.* (1965).

A.B., Wofford College; M.A., College of William and Mary; Ph.D., Emory University.

SUSAN WORTHEN HANNA, (MRS.), *Instructor in Health and Physical Education.* (1957).

A.B., Bethany College; Marjorie Webster School of Physical Education.

*On leave of absence during second semester

JOHN T. HAND, *Instructor in English*. (1964).

B.A., Syracuse University; M.A., State University of Iowa. University of Oxford.

JAMES EDWARD ALLISON, *Instructor in Mathematics*. (1964).

B.S., Bethany College; M.A., West Virginia University.

ALBERT R. DeVaul, *Instructor in Music*. (1964).

A.B., West Liberty State College; M.M. West Virginia University.

HERBERT L. DRINNON, *Instructor of Speech and Dramatics*. (1964).

B.A., Berea College; M.A., University of North Carolina.

DAVID E. SAMUEL, *Instructor in Biology*. (1964).

B.S., Juniata College; M.S., Pennsylvania State University.

W. KIRK AVERY, *Instructor in English*. (1964).

B.A., Bethany College; M.A., Columbia University.

JOHN WILLIAM LOZIER, *Instructor in History*. (1964).

A.B., University of Colorado; A.M., Ohio State University.

GLENN A. LONG, *Instructor in Art*. (1964).

B.F.A.; M.F.A., Ohio University.

THOMAS A. GRALL, *Instructor in Physical Education*. (1964).

B.S., Springfield College; Westfield State College.

JOHN D. DAVIS, *Instructor in Economics*. (1965).

A.B., American International College; A.M., University of Connecticut.

MARJORIE TUFTS CARTY, (MRS.), *Instructor in Foreign Languages*. (1965).

Ph.B., University of Chicago; Clark University, State Teachers College, Saltillo, Mexico; University of Nicaragua; Bethany College.

CORINNA C. COOPER, *Instructor in Foreign Languages*. (1965).

A.B., University of Michigan; A.M., Kent State University; University of Cologne; University of Freiburg; McGill University.

ROBERT E. SHOUP, *Instructor in Sociology*. (1965).

A.B., Juniata College; B.D., United Seminary; A.M., Temple University; University of Pittsburgh.

GEORGE A. DILLINGHAM, JR., *Instructor in History and Political Science*. (1965).

A.B., David Lipscomb College; A.M. George Peabody College; University of Tennessee.

JOHN E. WINTERS, *Instructor in English*. (1965).

B.S., Frostburg State College; M.A., West Virginia University.

SUE ELLEN FREDERICH, *Instructor in Foreign Languages*. (1965).

A.B., Indiana University; A.M., University of Michigan.

THEODORE W. CUNNINGHAM, *Instructor in Foreign Languages*. (1965).

A.B., A.M., Kent State University; Universität Göttingen.

THEODORE K. KIMPTON, *Instructor in Foreign Languages*. (1965).

B.S., West Point Military Academy; A.M., University of Maryland; Catholic University.

DISTINGUISHED LECTURERS AND CONSULTANTS

- C. WILLIAM O'NEILL, *Distinguished Lecturer in Public Affairs*. (1959).
A.B. Marietta College; LL.B., Ohio State; LL.D., Defiance College;
LL.D., Ohio University; LL.D., Miami University (Ohio); LL.D.,
College of Steubenville; LL.D., West Virginia University; LH.D.,
Marietta College; LL.D., Heidelberg College; LL.D., Wilberforce
University.
- DON GILLIS, *Consultant in Music*. (1963).
A.B., B.Mus., Dr. Mus., Texas Christian University; M. Mus.,
North Texas Teachers College.

ADMINISTRATION AND INSTRUCTION

- LUTA MARIE GORDON, *Registrar and Assistant Professor of Education*.
(1959).
A.B., Bethany College; M.Ed., University of Pittsburgh; West Liberty
State College; Fairmont State College; West Virginia University;
Geneva College.
- JERRY LEE JONES, *Business Manager and Assistant Professor of Economics*
(1959).
B.S., M.S., University of Tennessee; Case Institute of Technology.
- ROBERT A. SANDERCOX, *Dean of Students, Assistant Professor of Educa-
tion*. (1960).
A.B., Bethany College; B.D., Yale University.
- HAROLD C. DOSTER, *Director of Alumni Relations and Instructor in Re-
ligion*. (1960).
A.B., Bethany College; B.D. Yale University; Western Reserve Uni-
versity.
- JOHN GERALD PATTERSON, *Director of Community Relations and Assistant
Professor of Political Science* (1961).
A.B., Bethany College. M.A., University of Virginia; University of
Pittsburgh.
B.S., Fairmont State College; West Virginia University.
- DARLINE B. NICHOLSON, *Dean of Women and Conference Coordinator.
Instructor in Physical Education*. (1962).
- JOSEPH M. KUREY, *Assistant to the Dean of Students and Instructor in
Mathematics*. (1962).
B.S., Bethany College; West Virginia University.
- DALE ANDREWS REESE, *Assistant Librarian and Instructor*. (1965).
A.B., Brown University; M.S.L.S.; University of Kentucky.

ADJUNCT FACULTY

(Part-time Instructors and Assistants.)

- WILMA M. SHANER, (MRS.), *Part-time Instructor in Biology*. (1950).
A.B., Bethany College.
- LUCILE BYRD SHAW, (MRS.), *Assistant to the Librarian*. (1955).
A.B., Woman's College of the University of North Carolina; B.L.S.,
Carnegie Institute of Technology; Cornell University.

- HELEN WILSON KNIGHT, (MRS.), *Assistant to the Librarian*. (1957).
A.B., Ohio Wesleyan University.
- OLIVER MANNING, *Artist in Residence in the Department of Music*. (1961).
B.M., Louisiana State University; M.M., Cincinnati College—Conservatory of Music.
- HELEN PIERCE ELBIN, (MRS.), *Part-time Instructor in Music*. (1962).
A.B., Bethany College.
- LEVERING C. BONAR, *Lecturer in Education*. (1962).
A.B., Marshall University; M.A., University of Pittsburgh; West Liberty State College; Carnegie Institute of Technology; West Virginia University.
- J. JEFFERSON HAMILTON, *Chaplain* (1962).
B.A., Phillips University; B.D. Yale University; St. Andrews University.
- JOHN J. CLOPINE, *Head Librarian and Assistant Professor of Library Science*. (1963).
A.B., Bethany College; M.S. in L.S., Catholic University of America.
- WESLEY J. WAGNER, *Part-time Instructor in Art*. (1963).
Pennsylvania Academy of the Fine Arts; Barnes Foundation.
- PRISCILLA WINFIELD BOYER (MRS.), *Part-time Instructor in Music*. (1964).
A.B. Davis and Elkins College; M.M. West Virginia University.
- BARBARA B. SWEET (MRS.), *Part-time Instructor in Biology* (1964).
A.B., Western College for Women; M.Litt., University of Pittsburgh.
- NINA G. MCGOWAN, (MRS.) *Part-time Instructor in Music*. (1964).
B.M., M.M., University of Michigan.
- VENDELL C. TENNY, *Part-time Instructor in Education*. (1964).
A.B., West Virginia Wesleyan College; M.Ed. University of Florida; Temple University, University of Maryland.
- WILLIAM H. HANNA, *Associate in Physical Education* (1944).
A.B., Bethany College.

COMMITTEES OF FACULTY AND STAFF

1965-66

ADMISSION AND ACADEMIC REVIEW

Mr. Sala, Chairman; Mr. Weimer, Mr. Preston, Mr. Richardson, Miss Gordon, Mr. Sandercox, Mr. Graham, Mr. Patsiga.

ATHLETICS AND PHYSICAL EDUCATION

Mr. Richardson, Chairman; Mr. Knight, Miss Reed, Mr. Peterson, Miss McGuffie. Student members: Peter Weber, Allyn Kistler.

CULTURAL ACTIVITIES

Mr. Clopine, Chairman; Mr. Sala, Mr. Preston, Mr. Hauptfuehrer, Mr. Schweinfurth, Mr. Sandercox. Student members: James O'Roark, Edward Pappas, Stephen Ueland, Nancy Miller, William Nec.

CURRICULUM

Mr. Sala, Chairman; Mr. Richardson, Miss McGuffie, Mr. Preston, Mr. Draper, Mr. Ray.

FACULTY WELFARE AND SECURITY

(3 years) Mr. Sweet, Mr. Ray; (2 years) Mr. Patterson, Mr. Taylor;
(1 year) Mr. Martin, Mr. Richardson.

INTERNATIONAL EDUCATION

Mr. McKenzie, Chairman; Mr. Sandercox, Miss Gordon, Mr. Sala, Mr. Wei, Mr. Schweinfurth, Miss Mathison.

GANS AWARDS

Mr. Weimer, Chairman; Miss McGuffie, Mr. Draper, Mr. Wei, Mr. Tye.

HONORS

Mr. McKenzie, Chairman; Mr. Draper, Mr. Sandercox, Mr. Myers, Mr. Weimer, Mr. Huff, Mr. Kenney.

HONORS PROGRAM ADVISORY

Mr. Sala, Chairman; Mr. Taylor, Mr. McKenzie, Mr. Larson.

LIBRARY

Mr. Sala, Chairman; Miss McGuffie, Mr. Spence, Mr. Sweet, Mr. Clopine, Mr. Jones, Mr. Schweinfurth, Mr. Allison. Student members: Barbara Najar. Donald Reed.

MINISTERIAL TRAINING

Mr. Preston, Chairman; Mr. Walters, Mr. Kenney, Mr. Wei.

PUBLIC RELATIONS

Mr. Patterson, Chairman; Mr. Carty, Mr. Sandercox, Mr. Doster, Mr. Avery.

RELIGIOUS LIFE

Mr. Preston, Chairman; Mr. Myers, Mr. Taylor, Mr. Sandercox, Mr. Hamilton, Mr. Martin. Student members: Cynthia Sirney, David Dyson.

SCHOLARSHIPS AND FINANCIAL AIDS

Mr. Sandercox, Chairman; Mr. Peterson, Mr. Sala, Mr. Jones, Mr. Walters, Mr. Graham.

TEACHER EDUCATION ADVISORY COMMITTEE

Mr. Sala, Chairman; Mr. Knight, Mr. Preston, Mr. McKenzie, Mr. Draper, Mr. Spence, Mr. McAlexander.

TEACHER EDUCATION REVIEW COMMITTEE

Mr. Spence, Chairman; Miss Porter, Miss Reed, Miss Gordon, Mr. Sandercox, Mr. Sweet, Miss Mathison.

TESTING

Mr. Sandercox, Chairman; Mr. Sala, Mr. Kania, Miss Gordon.

SCHEDULE

Mr. Sala, Chairman; Mr. McKenzie, Mr. Richardson, Mr. Taylor, Mr. Preston. Ex-officio Dean of Students, Business Manager, Registrar.

BOARD OF PUBLICATIONS

Mr. Carty, Chairman; Miss McGuffie, Mr. Jones, Mr. Patterson, Mr. Clopine. Student members: President of the Student Board of Governors, and Editors.

COLLEGE COUNCIL

Mr. Sandercox and Mr. O'Roark, co-chairmen; Mr. Sala Mr. Knight, Mr. Shaw, Mr. McKenzie Miss McGuffie, Mr. Draper, Mr. Preston, Mr. Ray, Mr. Tye. Mr. Hauptfuehrer, Mr. Richardson, Mr. Jones, Mr. Clopine, Mr. Doster. Student members: Presidents of Fraternities, Sororities and House Associations.

HISTORY AND CHURCH RELATION

BETHANY COLLEGE is a private foundation chartered under the laws of the Commonwealth of Virginia on March 2, 1840. Alexander Campbell, celebrated debater, Christian reformer, and educator, wrote the Charter and provided the land for the campus as well as \$15,000 toward the first building. The first paragraph of the Charter reads as follows:

“Be it enacted by the general Assembly, That there be and is hereby created and established at or near Bethany, in the County of Brooke, in this Commonwealth, a seminary of learning for the instruction of youth in the various branches of science and literature, the useful arts, agriculture, and the learned and foreign languages.”

Campbell's idea of a college derived from his own academic experience at the Scottish University of Glasgow where he studied, and from the University of Virginia, whose founder, Thomas Jefferson, he greatly admired. As a result of these two models, the new college took on the ideals and collegiate Gothic architecture of the four-hundred-year old Glasgow, and the curriculum as well as most of its first faculty from the twenty-year old University of Virginia. Campbell added his original conception of a department of sacred history which would teach the Bible on a parity with other disciplines. He defined the liberal arts as follows:

“They are called liberal arts and sciences, not merely because they free the human mind from vulgar prejudices, ignorance, and error which they certainly do; but because they are general in their character and application, and open to us an extensive acquaintance with literature, science and art; and thus furnish us with the means of extending our acquaintance with nature, society, and the Bible, to any extent commensurate with the wants of our nature and the limits of our existence.”

Bethany has continued from 1840 to the present time as a four-year private college with a self-perpetuating board of trustees. The religious body known variously as the Christian Churches, Disciples of Christ, or Churches of Christ, of which Campbell was the principal founder, has been and continues to be a significant factor in the support and encouragement of the college. The eighteenth century home where Campbell lived and the private cemetery where he lies buried are part of the property of Bethany College. The undenominational nature of the restoration movement

enables the college to exemplify the academic ideals of the Christian Churches with complete freedom from sectarian control.

When West Virginia became a separate state in 1863 Bethany continued to operate under its original charter from the Commonwealth. The general corporation laws of the new state specifically recognized the supremacy of charters previously granted by special acts of the Legislature of Virginia before the formation of the State of West Virginia. No amendments to the charter have been made. The newly formed Mountain State was indebted to Alexander Campbell for his influence in the Constitutional Convention of 1829 where the rift was started which eventuated in the wartime separation. Archibald Campbell, Wheeling publisher, who was a nephew of Alexander and a Bethany graduate, called the Convention which created the new state. The tower of Old Main at Bethany appears as one of the four historical landmarks in the rotunda of the State Capital Building at Charleston.

The college did not discontinue classes during the War between the States. Enrollment fell to thirty-three students for the term of 1862-63, but the college bell continued to ring and classes went on without interruption. The college was officially Unionist, but most of the students were from the southern states. Great inner discipline was required of each teacher and student when the waves of martial emotion swept the nation. The aged President Campbell said, "We at Bethany, in common with all the colleges in Virginia, and indeed all the South, are almost reduced to a shadow compared with bygone days and years. Martial glory and military splendor have usurped the throne of literature, science, and religion."

A resurgence of interest in the higher learning followed the War and brought great honor to Bethany. Professor A. E. Dolbear, while a Professor of Physics at Bethany, perfected the telephone receiver and delivered an important paper on the subject of his experiments before the American Association for the Advancement of Science which met at Portland, Maine in August, 1873. Dolbear sold his patents to the Alexander Graham Bell interests at a modest figure, since his interest was in science rather than commerce. James Lane Allen came to the faculty in 1880. One of his most celebrated novels was written while he was teaching Latin at the college. The strong emphasis on the sciences and humanities was matched by the awakening interest in the social sciences. Champ Clark of Congress and Joseph Rucker Lamar of the Supreme Court were among the graduates of that period.

The financial crisis of the 1890's threatened the very life of the college. Only the courage of the teachers and officers, together with the generosity of trustees such as T. W. Phillips, Sr. and Mr. M. M. Cochran, kept the classes going. Enrollment fell to fifty-

three students in 1898, but the quality of instruction remained high in spite of unpaid salaries. In the face of such trials the faculty bravely raised entrance requirements. By the turn of the century things began to improve. New buildings began to rise through the generosity of Earl W. Oglebay, M. M. Cochran, and T. W. Phillips, Sr. Endowments developed rapidly in the twentieth century until Bethany now stands tenth among colleges of less than one thousand in the entire nation with regard to endowments.

The unbroken tradition of academic excellence was undergirded by more adequate support as the century moved on. Forty percent of the faculty held earned doctorates by 1930. Bethany was on the early list of institutions accredited by the Southern Association and on the first list of those accredited by the North Central Association when regional jurisdiction was changed. The first list of approved colleges published by the Association of American Universities included Bethany. The faculty participated in an experimental program financed by the General Education Board and directed by the University of Chicago with a view to improvement in teaching methods. Comprehensive oral and written examinations were added to requirements for graduation. Bethany has kept pace with other colleges while at the same time holding to the distinctive purposes which marked her foundation.

The two world wars of the present century have not changed the central concerns of the Bethany program, even though courses and arrangements were adjusted to meet the crises of the nation. A Student Army Training Corps was established in 1918, and a Navy V-12 unit operated during World War II, but the emphasis on the liberal arts and sciences was disrupted in neither period. High academics and a lively regard for character have continued without any diminution.

Bethany College has continued in the tradition of its founder with regard to equal opportunities for people of all races and backgrounds. In 1850 Mr. Campbell said that the College is "for the common cause, which knows not state, territory, lineage, blood, or policy of earth." Throughout its history people from various racial backgrounds have been represented in the student body, on its faculty, and staff.

The present faculty and student body are quite generally oriented toward the quiet ideals of learning and integrity with a fine sense of individual responsibility. A discerning visitor soon discovers substantial identity between the stated aims of the college and the present Bethany program. The hallmark of a Bethany education today is the same pursuit of truth in a context of freedom which Campbell wrote into the Charter and early bulletin of 1840.

ACCREDITATION

BETHANY COLLEGE is fully approved by regional and national accrediting agencies. The College is a member of the North Central Association of Colleges and Secondary Schools, the Association of American Colleges, the American Council on Education, the College Entrance Examination Board and the American Association of Colleges for Teacher Education.

Bethany College is recognized by many learned societies. State departments of education have approved Bethany as an institution for the training of teachers for the elementary and secondary schools.

Women graduates of Bethany College are eligible for membership in the American Association of University Women.

Bethany College is a member of the Board of Higher Education of the Disciples of Christ.

LOCATION

BETHANY COLLEGE is located in the Northern Panhandle of West Virginia, three miles from Pennsylvania, seven miles from Ohio, and thirty-five miles north of the Mason-Dixon line. Its setting in the peaceful Buffalo valley of the Allegheny foothills is semi-rural, yet accessible to the centers of culture, transportation, commerce, and industry: Pittsburgh, Pennsylvania, is a hour and ten minutes away, to the northeast; Wheeling, W. Va., thirty-five minutes to the southwest; the Wheeling airport, with taxi service to Bethany, twenty minutes away; Steubenville, Ohio, half an hour to the northwest.

FACILITIES AND RESOURCES

THE COLLEGE campus of some sixty acres is located within the corporate limits of the town of Bethany. On the crest of the hill overlooking the town are located the academic buildings, the offices of administration, the library, the residences for college women, the women's gymnasium, and the president's house. On the east slope of the main campus are the student center, infirmary, and men's residence halls, and, on the west side, the field house and recreational areas for both men and women.

The college lands include about thirteen hundred acres of farm and timber land adjacent to the campus area and available for use by the students. These include the Alexander Campbell Farm, the Point Breeze Farm, the Parkinson Woods and other properties. Nature trails and picnic areas have been developed in some of these areas.

BUILDINGS

Old Main, the central unit of the academic buildings of the College, was built in 1858 to replace the original building which had been destroyed by fire the previous year. The Tower at the center of this building dominates the campus and the town and is the chief architectural feature noted as one approaches the College.

Commencement Hall, completed in 1872, provides the setting for convocations, concerts, dramatic presentations and other gatherings of a general nature. Studios and classrooms for the Department of Music are located on the ground floor of this building.

Oglebay Hall, dedicated in 1912, was built by the late Earl W. Oglebay of the class of 1869. The building accommodates the Departments of Biology and Psychology, and special research laboratories.

The Richardson Hall of Science (1964), which houses the Departments of Chemistry, Physics and Mathematics is named for Bethany's first Science Professor and is one of the outstanding Science Buildings in this country. The Benedum Foundation, the Phillips Family, Halford Morlan and the Kresge Foundation made major contributions to this project.

The Phillips Memorial Library, costing approximately a million dollars, is the gift of the Phillips family of Butler, Pa. as a memorial to T. W. Phillips, Sr. and T. W. Phillips, Jr.

Cramblet Hall houses the administrative offices of the college. This building is named in honor of two former presidents of the college, Thomas E. Cramblet and his son Wilbur H. Cramblet.

Faculty Office Building was given to the College in 1947. Of semi-permanent construction, it provides offices and seminar rooms.

The Alumni Field House, built in 1948 by gifts from alumni, former students and friends of the college, provides physical education facilities for men.

The Rine Recreation Fields were developed as a memorial to Edwin M. Rine, friend and benefactor of the College. The Rine Fields are adjacent to the Alumni Field House and include football and baseball fields, a quarter mile cinder track and an athletic field for use of college men.

The Irvin Gymnasium (1919) was a gift to the College by members of the Irvin family of Big Run, Pennsylvania. It was the physical education center for all members of the student body until 1948. Since that time it has served as the center of physical education for women. The swimming pool is in this building.

The Bethany House, completed in 1948, is the student center and houses the dining hall for men. The first floor, designated as the Bee Hive, provides an informal social center. The middle floor contains rooms for club meetings and private group dinners.

Pendleton Heights, built in 1841 by William K. Pendleton, a member of the first faculty and second president of the College, serves as the home of the President of the College.

The Infirmary contains the office of the College Physician, treatment and examination rooms, and wards for men and women.

The Outdoor Chapel is used for dramatics and other appropriate gatherings. This area, developed in cooperation with church groups in Pennsylvania and West Virginia, is also used as the site for vesper services at young people's summer conferences.

Phillips Hall, (1929) is the central residence for women students. It replaced the original Phillips Hall which was a gift of Thomas W. Phillips. In addition to residence accommodations, it contains the dining room for women.

Ivabell Harlan Hall (1960), is a residence hall for upper-class women. This building was made possible by a gift from C. Allen Harlan.

Morlan Hall (1963), is a residence for women. This building was made possible by a gift from H. J. Morlan.

Cochran Hall, a men's residence, was built in 1910 by Mark M. Cochran, class of 1875, as a memorial to his son Percy B. Cochran of the class of 1900.

Campbell Hall (1956) is a modern residence housing 100 upper classmen was made possible by gifts from the Christian Churches of West Virginia, New York, Pennsylvania, and Ohio.

A. McLean Hall (1962), is a men's residence and Church Conference Center, the funds for which are being provided by capital contributions of the Christian Churches of West Virginia.

McEachern Hall (1963), is a men's residence and part of the Church Conference Center, the funds for which are being provided by Daniel V. McEachern and the Christian Churches of West Virginia.

Gateway Hall, located near the upper campus gates, is a residence for upperclass students.

Fraternity Houses. Six national fraternities for men maintain residences which provide housing and social facilities for their members.

Cochran Heating Plant which furnishes heat to buildings on the main campus was a gift of Mark M. Cochran in 1910.

LIBRARY

The College library contains approximately 86,000 volumes of selected books and periodicals. Supplementary services include microfilm files, microfilm readers, recordings for work in speech and literature, a circulating art collection, and a music library of albums of recorded symphonies, concertos and operas.

The library receives approximately 300 periodicals, and several metropolitan dailies and foreign language papers.

Through a program instituted by the Carnegie Library of Pittsburgh, the Carnegie Institute of Technology, and the University of Pittsburgh, the facilities of these libraries and twelve co-operating colleges in Western Pennsylvania are available to students and faculty.

Several personal libraries and collections have been received by the College. The principal parts of the libraries of Alexander Campbell, Robert Richardson, Miss A. C. Pendleton, Archibald McLean, W. S. Priest, Levi Marshall, Miss Mary I. Nichols, R. H. Wynne, Cloyd Goodnight, M. M. Cochran, Mrs. Anna Ruth Bourne, Clarence A. Hanna, Miss Florence M. Hoagland, E. Lee Perry, Galen C. Hartman, Franklin T. Baker, Andrew Leitch, Forrest H. Kirkpatrick, and W. P. Harmon are among these.

Valuable early literature of the Disciples of Christ has come from Samuel Lindsay, Rev. W. S. Good, Miss Ellen Thomas, Rev. Ben S. Ferral, Almon B. Knowles, and others. Material related to the Disciples of Christ, together with papers and publications of historical importance to Bethany College, have been brought to-

gether in the Alexander Campbell Room located on the third floor of the library.

Special funds have been established by Anna Ruth Bourne, Galen Campbell Hartman, and the Kresge and Kellogg Foundations, designated for use in purchasing books for the collections.

LABORATORIES

Biology. The biology laboratories and seminar rooms, located in Oglebay Hall, provide instructional equipment for courses. Special laboratories and facilities are available for advanced students conducting independent studies.

Chemistry. Facilities for the Department of Chemistry occupy about half of the Robert Richardson Hall of Science. These include separate laboratories and stockrooms for general, analytical, organic and physical chemistry as well as for instrumental analysis including infrared and ultraviolet, spectral studies, independent study, radio-chemistry, shop work and glass working. There is available also a constant temperature room and a photographic dark room.

Adjacent to each faculty office is a private research laboratory and adjoining all offices is a departmental conference and seminar room. The chemistry library containing both journals and reference books, is housed in the science library on the first floor of the building.

Foreign Languages. The laboratories of the Department of Foreign Languages contain listen-respond-record equipment in thirty student booths, controlled by a master console capable of operating up to four different programs of tape and/or phonograph recordings simultaneously. Located at the entrance of Old Main, the laboratories are used in the audio-lingual approach to the learning of foreign languages employed at Bethany to develop the comprehensive and speaking competencies of students on the first- and second-year French, German, and Spanish courses and in the advanced conversations and methods courses. Native speakers are used to record the programs and to supervise the laboratory sessions.

Physics. The Physics Department is located on the first floor and in the basement of the Robert Richardson Hall of Science. There are new classrooms and laboratories for Physical Science and General Physics; and laboratories for advanced work in Optics, Radio, Electronics and Analytical and Quantitative Spectroscopy.

Psychology. The laboratories of the Department of Psychology, located in Oglebay Hall are equipped for work in experimental psychology, perception, mental measurements and some phases of applied psychology.

STUDIOS AND WORKSHOPS

Art. The Art Department has separate studios for drawing and painting, sculpture and ceramics. The ceramics studio is well equipped with electric kilns, wood kilns, potters wheels and spraying equipment. The sculpture studio is adapted for wood sculpture.

The Art Department exhibits one-man shows on the second floor of the Phillips Memorial Library and the gallery for student shows is available on the ground floor in Old Main.

Drama. The Theatre Workshop is located on the second floor in Old Main adjacent to the Little Theatre. The workshop and the Little Theatre provide the facilities and opportunities for scenic work and dramatic productions. The larger stage and auditorium of Commencement Hall are available for major productions of the Department of Speech and Drama.

Music. The Music Department has, on the first floor of Commencement Hall and Old Main, teaching studios, a studio-classroom, a general rehearsal room for the larger choral and instrumental groups, and individual practice rooms. Use is also made of Commencement Hall for rehearsal of very large groups—oratorio and opera productions. The organ which is used for teaching and practice is also located in Commencement Hall. Equipment includes grand pianos in the studios, the rehearsal room and Commencement Hall stage, practice console pianos in the other rooms, one two-manual harpsichord, a number of band and orchestral instruments, tape recording and phonograph equipment, and a library of choral and instrumental music. Additional listening equipment is located in the Phillips Memorial Library.

RESOURCES

The gross assets of Bethany College at the end of the fiscal year August 31, 1964, totaled \$14,096,497. In the assets, Endowment Funds are listed at a book value of \$6,293,197 and College Plant and Equipment is listed at a cost value of \$6,972,707. Other assets include loan funds, agency funds and miscellaneous items.

The College recognizes, with appreciation, the gifts of funds which not only provide lasting memorials for individuals and families but also make possible the program of a private college of quality.

The expenses of the College are met only in part by payments of students. The balance, is provided by income from endowment funds and by gifts. The private college depends upon the continued support of those who believe in its program.

The named endowment funds of the College include the following:

M. M. Cochran Endowment of President's Chair	\$100,000
M. M. Cochran General Endowment	500,000
M. M. Cochran Endowment of 1923	335,768
M. M. Cochran Special Trusts	846,880
T. W. Phillips, Sr., Chair of Old Testament	30,000
Sarah B. Cochran Chair of Philosophy	25,000
Moninger Memorial Bible Chair	24,980
George T. Oliver Chair of History	50,000
Pearl Mahaffey Chair of Modern Languages	1,295
R. A. Long Chair of Mathematics	50,000
T. W. Phillips, Jr., Endowment	59,277
Anna Louise Helwig Endowment	33,557
Men and Millions Endowment	66,150
Robert MacDougald Endowment	9,210
E. M. Rine Trust (to date)	173,384
Wilson Beall Memorial Fund	20,000
The Gans Fund for Research in Science	50,000
Miscellaneous General Endowments	672,620
The Ford Foundation	158,500
The Daniel F. Mullane Memorial Fund	13,933
The Albert H. Hunt Memorial Fund	36,069
David B. Steinman Fund	25,000
Centennial Endowment Fund	1,700

LIBRARY FUNDS

Michael L. Benedum	\$7,500
Thomas Bloch	1,000
Anna Ruth Bourne	12,749
Hamilton and Blanche Forman	1,000
Globe Brick, Sidney Porter	1,250
Cloyd Goodnight	3,318
Irwin T. Green	1,235
Aleece C. Gresham	1,000
Delmar S. Harder	6,740
Galen Campbell Hartman	25,615
R. L. Ireland	1,290
Jessop Steel Company	1,000
Kresge Foundation	50,000
Halford Morlan	5,000
Daniel F. Mullane	1,000
H. C. Ogden	8,000
Kenneth Resseger	6,015
Weirton Steel Free Enterprise	2,500
Cyrus F. Yocum	2,565

Named Funds for Scholarship and Student Aid purposes include: (See Section on Scholarships and Financial Aids).

Mary A. Morrison	\$1,000
Isaac Mills	1,000
G. A. Willett	4,000
Isaac Brown	750
Albert C. Israel	500
Jennie Irvin Hayes	5,000
Ida Mae Irvin	5,000
Herbert Moninger	2,455
Josiah Wilson	2,576
John H. and Ida H. King	18,292
Minnie W. Schaefer	8,350
John T. Smith	17,417
William Kimbrough Pendleton	20,000
Z. T. Vinson	1,600
Florence M. Hoagland	5,165
E. Lee Perry	11,928
William H. Vodrey	28,314
Arthur C. Stifel	42,712
Campbell Allen Harlan	17,000
Perry and Aleece Gresham	10,228
Greensburg (Pennsylvania) Area	21,428
N. W. and Bessie Evans	5,000
Patrick A. and Elizabeth Berry	5,000
Forrest H. Kirkpatrick	10,623
Irene O. Darnall	3,275
Lotta A. Calkins	21,045
John E. Sugden, Jr.	2,000
Marion and Frank Dunn	2,050
Argyle Campbell	1,740
Chapman	1,400
Ministerial Training	9,007
National Campbell	10,908
H. J. Morlan	5,000
Herbert and Marguerite Rech	1,000
A. Dale Fiers	2,500
Waymon and Dorthy Parsons	10,117
Earl and Jonsie Brink	2,000
Thomas J. Boyd	1,200
Francis O. Carfer	1,306
Florence Abercrombie	22,647
Robert Hileman Lee	48,361
E. E. Roberts	787
J. S. V. Allen	481
C. C. Smith	4,300

A
PICTORIAL PRESENTATION
OF



BETHANY COLLEGE

WITH EXCERPTS FROM ADDRESSES BY
PERRY EPLER GRESHAM
TWELFTH PRESIDENT OF THE COLLEGE



"Old Main"

"Bethany is an institution on which 'time has laid his hand' to mold and fashion for a destiny of true excellence."





Pendleton Heights



*Robert Sarnoff
President Gresham*



Robert Richardson Hall of Science



Phillips Memorial Library



“The ideal Bethanian is primarily an intellectual who is highly motivated towards mastery of the disciplines which our culture honors. He is a free man dedicated to learning.”

*Morlan Hall
for Women*



*Campbell Hall
for Men*

*Phillips Hall
for Women*





Bethany House

"Intelligent play is essential to healthy living."



Dining Hall



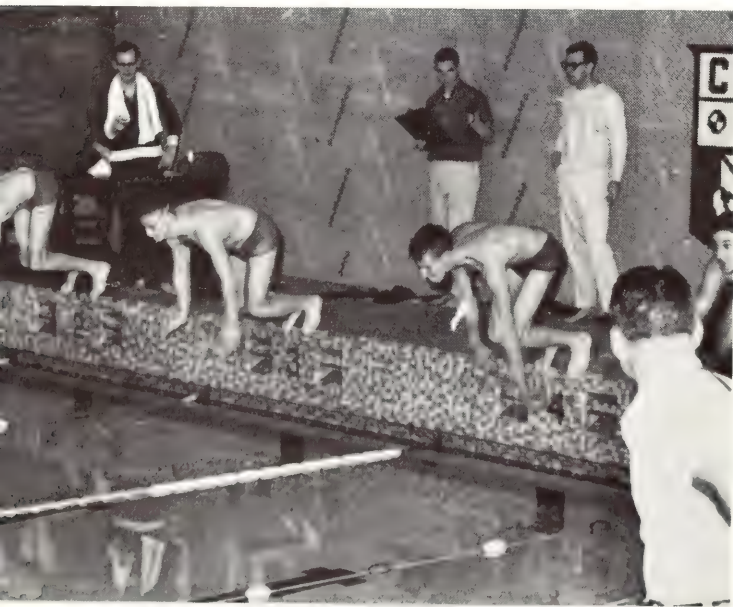
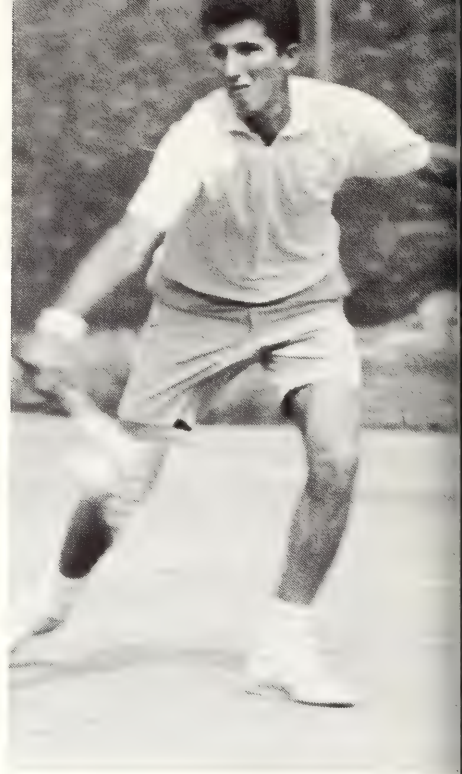
Picnic



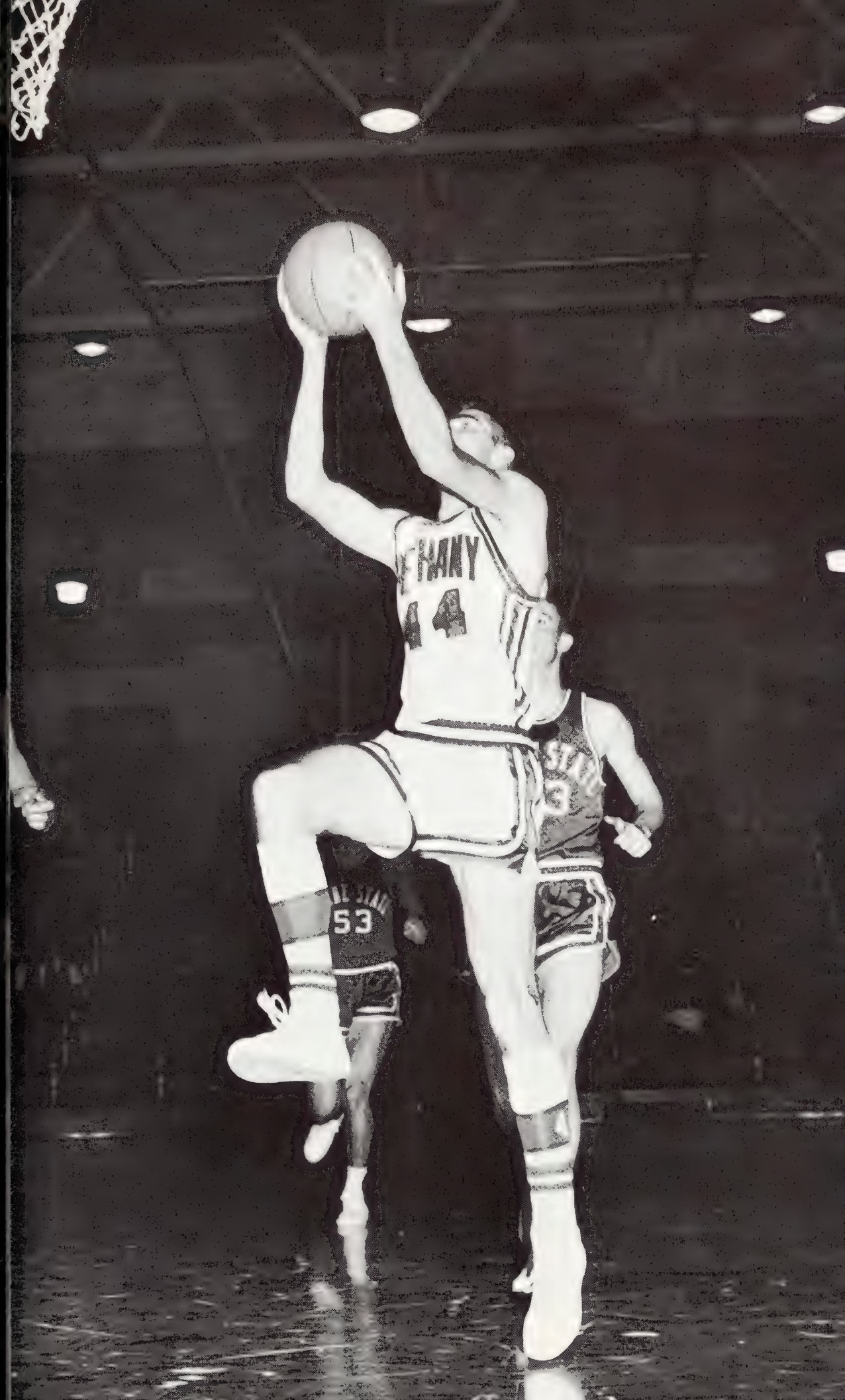
One of Six Fraternities

Contemporary civilization requires a person
 learn how to get along with people and
 to get along with himself."





"Not every Bethanian is an athlete, but each one is as physically fit as his inventory of health will allow. The playing fields of Bethany bring victories to the battlefields of the world. Only the strong can climb the campus hills."



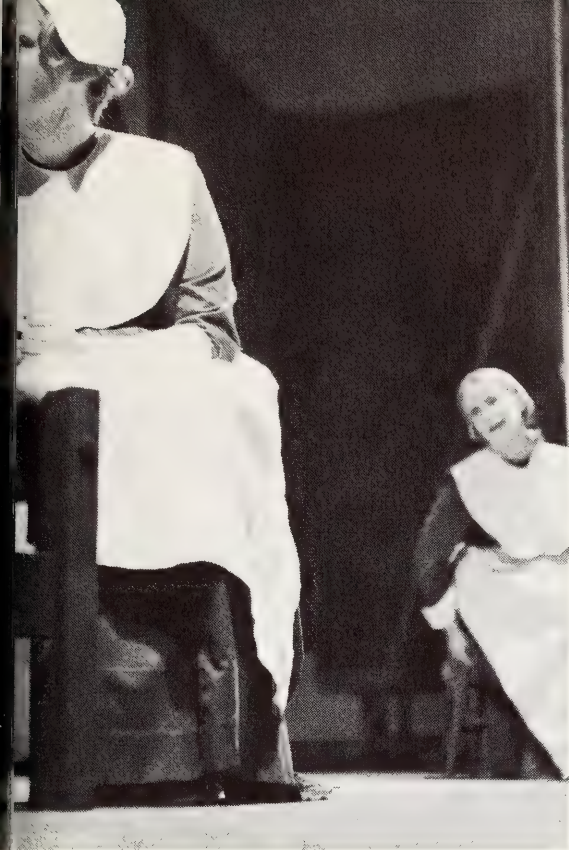


Oratorio Choir

"Creative interest in the fine arts with such knowledge as one needs to have a cultivated taste in what is truly beautiful, belong to a liberal curriculum."



Male Chorus



*Scene from
"The Crucible"*

"Music and painting, sculpture and drama, with a host of comparable media for enjoyment, are important."



Scene from "Twelfth Night"



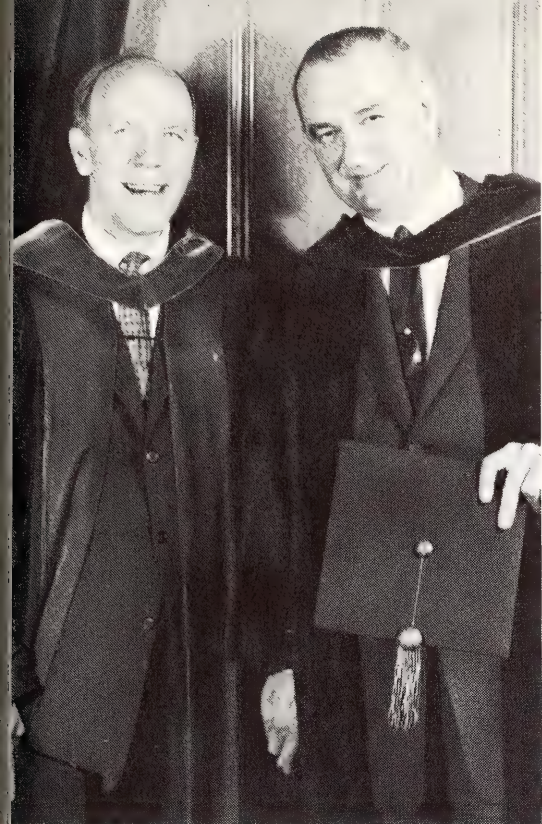
Individual Attention



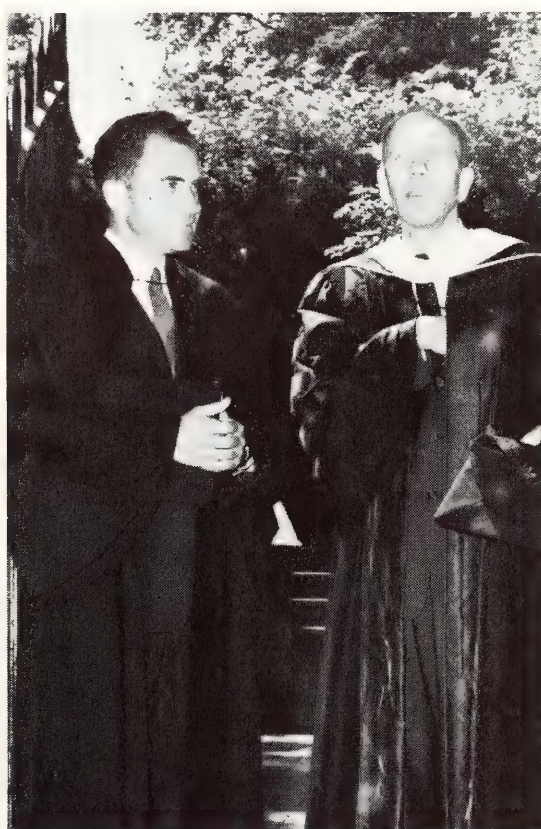
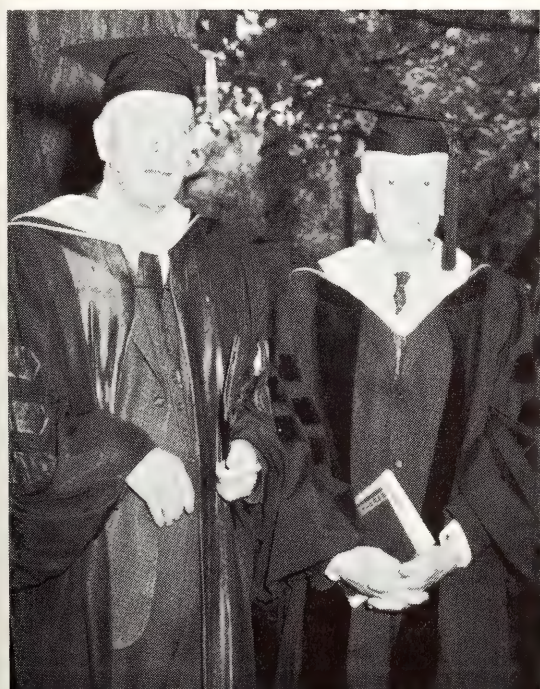
Small Classes

"The discipline of communication is an effort to structure the process that promote mutual understanding"





"Enlightened participation in government and civic affairs is characteristic of a cultured man."





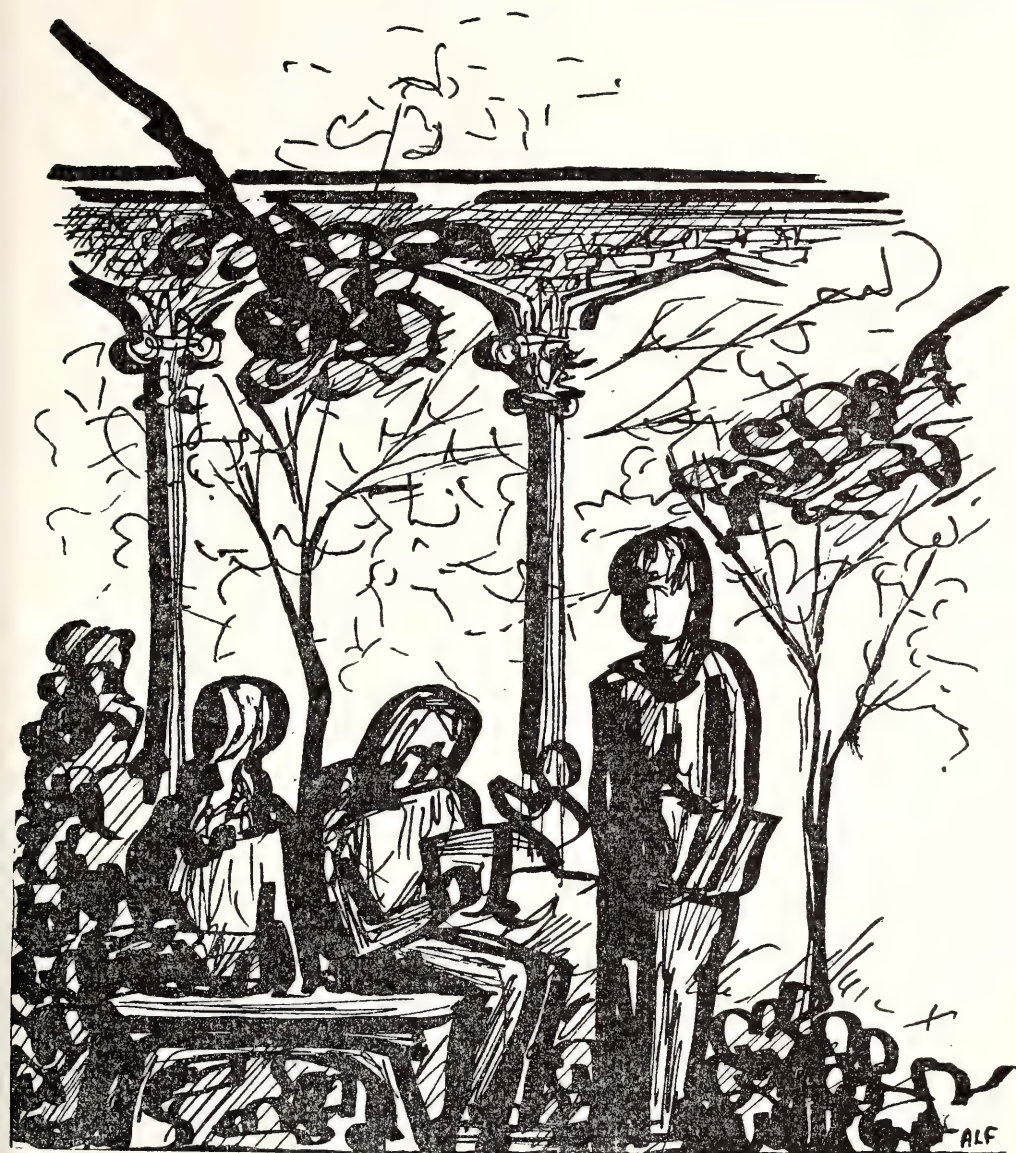




"Let her friends unite to extend her influence, encourage her faculties, inspire her students, and give witness to the truth she exemplifies and imparts."



124th Commencement



THE STUDENT

ADMISSION

BETHANY COLLEGE welcomes applications for admission from all those who consider themselves to be qualified and are sincere in their desire to enter the College. Admission is based on a careful review of all the credentials presented on behalf of the candidate and is on a competitive basis. The Committee on Admission and Academic Review accepts those it considers best qualified among those applying. In no case does the meeting of minimum standards assure admission.

Application for admission to the freshman class should be made to the Director of Admission, Bethany College, Bethany, West Virginia. A candidate should file his application as early as possible in the year in which he seeks admission, preferably before the completion of the first half of his final preparatory year. Decisions of the Committee on Admission and Academic Review are mailed to the applicant during December, January, February, March and April. Upon acceptance for admission, applicants are expected to make a non-refundable registration deposit of one hundred dollars within the period stipulated in the letter of admission.

CREDENTIALS FOR ADMISSION

PROGRAM OF SECONDARY SCHOOL STUDIES

A candidate for admission is expected to complete a secondary school course which gives preparation for the work of a liberal arts college. Fifteen units of academic (college preparatory) work must be presented. Although the College does not prescribe how these subjects shall be distributed, it expects a minimum of four years of English with the usual sequences in mathematics, science, foreign languages and social studies.

Applicants from public high schools should be in the upper half of their graduating classes. Candidates from private schools and other specialized schools should have college certifying grades in all subjects.

EXAMINATIONS

The College requires that all applicants take the Scholastic Aptitude Test of the College Entrance Examination Board. The test is given several times during the year at many centers throughout the world. Bethany will accept the scores from the examinations at any of the testing dates, but prefers the December or January administration of the test. Application forms for the test are usually

available at secondary schools, but they may also be secured by writing to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey.

Although not required for admission, all *accepted* applicants must present scores on three Achievement Tests (the English Composition Test and two others of the applicant's choice) for placement purposes. It is suggested that they be taken in the late spring of the senior year of secondary school.

INTERVIEW

Since Bethany is a small college and its members share a common life, the character and personal qualifications of students are of great importance. Every candidate should, therefore, have an interview if possible. Applicants who live near enough to Bethany to make the round trip in one day should arrange for an interview at the College.

The following visiting hours are suggested:

9:30-11:30 A.M.

Monday, Friday and Saturday

2:00-4:00 P.M.

Monday and Friday

Applicants living at a greater distance would profit greatly from an interview on the campus. However, if a trip to the College is not possible, an interview with an Admission officer when he is travelling in the applicant's vicinity may often be arranged.

REFERENCES

Three references from persons who know the applicant well are required. The Admission Office will write directly to the persons the applicant gives as references on his application blank.

HEALTH REQUIREMENTS

After the candidate's admission the parents and family physician will be asked to provide a medical history adequate for the understanding of any problems which arise. Each candidate must also provide evidence of having had a successful smallpox vaccination within a three year period prior to entrance.

EARLY DECISION PLAN

The Committee on Admission and Academic Review is willing to give consideration for early acceptance to any student whose first choice of colleges is Bethany. A candidate interested in applying for an early decision should submit all credentials during

the summer following the junior year. *In addition, the candidate must write a letter to the Director of Admission requesting an early decision on the basis that Bethany is the applicant's first choice.* Applicants under the early decision plan are notified of the action of the Committee on Admission and Academic Review during October and November of their senior year in secondary school. Applicants for early decision who are not accepted may be reconsidered in the spring on the usual admission program.

ADVANCED PLACEMENT

Entering freshman who pass the advanced placement tests, given in May by the College Entrance Examination Board, may, with the approval of the Committee on Admission and Academic Review and the department concerned, be admitted with advanced standing. They will be credited with the same number of hours towards graduation as if they had taken the corresponding courses at Bethany; they will have satisfied the equivalent parts of the graduation requirement; and they will be eligible for admission to more advanced courses in the departments concerned. Information about these tests can be obtained from the College Entrance Examination Board.

Programs of advanced placement other than that of the College Entrance Examination Board may be used when evaluated by the Bethany College faculty.

Any student who feels he is sufficiently well grounded in the subject matter of any of the prescribed courses for a baccalaureate degree or in any course in another area may make application to the Committee on Admission and Academic Review to take an achievement test. The application should state the achievement test which the student desires to take on the basis of his preparation for the specific test. If the results of this test indicate sufficient mastery of the subject the prescription may be waived. Passing the achievement test will not necessarily give credit in hours toward a degree, but if there is evidence of a high degree of mastery of the subject matter in the area in which the test was taken, with the approval of the Committee on Admission and Academic Review as well as the college faculty, the student may receive academic credit toward a degree.

ADVANCED STANDING BY TRANSFER

A limited number of students from other approved colleges may be admitted by action of the Committee on Admission and Academic Review. *All applications for admission from students for advanced standing must be accompanied by official certificates*

stating the nature and extent of college courses attempted or completed, and all disciplinary and academic items that belong to such a record. Academic work ranked below "average" (grade C) will not be accepted. Not more than sixty-five hours will be allowed for courses completed in Junior College.

Some academic credit may be allowed for training courses and educational experiences in the Armed Forces according to the general pattern recommended by "A Guide to the Evaluation of Educational Experiences in the Armed Services" issued by the American Council on Education, provided such courses or experiences are appropriately related to a college of liberal arts and sciences.

A student transferring to Bethany cannot be granted a degree unless he has been in attendance at the College at least during his senior year.

UNCLASSIFIED STUDENTS

A very limited number of mature students who are not candidates for a degree may be admitted to the College as "unclassified students." Approval for such enrollment will be given only if the applicant can satisfy the Committee on Admission and Academic Review that he can pursue the courses with profit, that he has a serious purpose in mind, and that he can meet the general requirements as to health, character and mental ability.

The College may dismiss or suspend a student at any time when, in the sole discretion of the College, the best interests of the College or the student will be served thereby. Attendance at Bethany College shall be conclusive evidence of each student's acceptance of this principle.

COLLEGE COSTS

BETHANY COLLEGE is a non-profit institution. Tuition, fees and other general charges paid by the student cover less than three-fourths of the College's instructional and operating expenses. The balance needed to meet the instructional and general expenses of the College comes from income from endowment funds, and from gifts and contributions from alumni and friends of the College.

The College will continue to keep the cost of the student as low as possible consistent with the maintenance of adequate facilities and competent instruction.

ESTIMATED EXPENSES FOR A SEMESTER

For essential campus expenses, exclusive of such personal items as clothes, travel and amusements, and books, a student should budget from \$1150 to \$1250 a semester, viz:

Tuition and fees	\$700.00
Room	\$140.00 to \$200.00
Board	\$250.00

The College is required to collect the West Virginia Sales Tax of 3% on published charges for room and board.

The College reserves the right to change the price for room and board without advance notice.

TUITION AND FEES

The tuition and fees charge for each semester is \$700.00 for eighteen credit hours or less. For each academic hour in excess of eighteen an additional charge of \$20.00 is made. Tuition for students carrying less than thirteen hours is \$50.00 per semester hour. No reduction is made in student accounts for course changes made after the first two weeks of the semester.

While a general charge is stated for Tuition and Fees, this may be divided into \$575.00 for tuition and \$125.00 covering activities and services as follows: Athletics, Health Service, Library, Lectures, Plays, Concerts, the Annual, the Student Activities and Laboratory services with the exception of Music and Practice Teaching.

APPLICATION FOR ADMISSION

All applications for admission should be made to the Admission office on forms supplied by the college. A non-refundable \$10.00 fee is required at the time formal application is presented.

APPLICATION FOR READMISSION

Students who have been previously enrolled in Bethany College who wish to return for additional college work must file an Application for Readmission with the Admission office. A \$5.00 fee is required at the time such application is presented.

REGISTRATION DEPOSIT

Upon acceptance for admission or readmission, a non-refundable registration deposit of \$100 is required of all students in accordance with instructions provided in the acceptance letter.

This deposit is applied to the student's account at the beginning of the final term prior to graduation.

Students not being graduated may have the deposit applied to their account the last term of their attendance if written notice is given to the Business Office prior to the advance enrollment date for the next regular term. Such students may be readmitted by approval of the Dean of Students and the Business Manager.

MATRICULATION FEE

This fee of \$10.00 is payable once by every new student. It covers, in part, the cost of orientation and evaluation procedures for new students.

WITHDRAWALS AND REFUNDS

A student wishing to withdraw from Bethany College must file written notice with the Dean of Students to qualify for refunds of deposits and adjustment of other charges.

In case a student withdraws from college during the semester, because of sickness or other causes entirely beyond his control, tuition and board are refunded on a pro rata basis figured from the end of the week in which withdrawal takes place. Students dismissed or requested to withdraw by the College are not entitled to any return of fees. Scholarships and grants are not applied on the accounts of students who withdraw before the end of the semester. Special fees are not refunded.

RESIDENCE FACILITIES

With the exception of commuters all students are required to live in college residences or fraternity houses unless excused by the Dean of Students.

The women's residences are Phillips Hall, Ivabell Harlan Hall and Morlan Hall with single, double and multiple occupancy accommodations available.

The men's residences are Campbell Hall, Cochran Hall, McEachern Hall and McLean Hall with single and double accommodations available.

There is also a Gateway Hall, a supplementary residence for upperclass students with single and double accommodations.

Students living in college operated residences are expected to furnish bed linen, blankets, bedspreads, pillow, towels, study lamps and rugs. They are expected to care for their own rooms and to keep them clean and in good order at all times.

LINEN SERVICE

For the convenience of the student linen is supplied for \$15.00 per semester. Sheets and towels are provided each week while the College is in session.

OPERATION OF COLLEGE HALLS

Room assignments in all college residences are made by the office of the Dean of Students and are for the academic year.

Residence halls will be open for freshmen for each semester the day before Freshman Week begins and for all other students the day before Registration Day. Residence halls will be closed and students are not expected to stay in Bethany when college is not in regular session.

Bethany College reserves all rights in connection with the assignment, termination of occupancy and reassignment of rooms in all residences.

FRATERNITY AND SORORITY HOUSES

Six national fraternities and four national sororities maintain active chapters on the Bethany campus and have residence accommodations for a limited number of members.

The maintenance of proper conduct and discipline in the fraternity houses is a direct responsibility of the Dean of Students.

DINING HALLS

All resident students are required to eat in college dining halls unless excused by the Dean of Students. No refunds are granted for meals missed.

MISCELLANEOUS FEES

These fees are applicable for the specific course listed. They are charged only to students enrolled in such courses.

Education 443, 475, (each hour)\$ 6.00 per semester

MUSIC FEES

Private Lessons, one lesson a week\$ 60.00 per semester
Private Lessons, two lessons a week\$110.00 per semester
Instrument Rental\$ 8.00 per semester
Organ Practice, one hour each day\$ 30.00 per semester
Piano Practice, one hour each day\$ 8.00 per semester

OTHER SPECIAL FEES

Application Fee for all new students\$ 10.00
(This fee must be paid before any action
is taken on application for admission)

Application Fee for all former students	\$ 5.00
(This fee must be paid before any action is taken on application for re-admission)	
Registration Deposit (see page 39)	\$100.00
Auditing a course, per semester hour	\$ 20.00
(A student is not charged if he is paying regular tuition and fees and the total program, including the audit, does not exceed 18 hours)	
Comprehensive Examination	\$ 25.00
(For students not in residence or for special examination)	
Each academic hour when less than thirteen	..\$50.00 per semester
Each academic hour in excess of eighteen	...\$20.00 per semester
Each change in registration after registration day	\$ 2.00
Graduation Fee	\$ 15.00
Guidance and advisory service (pre-college)	...\$10.00 to \$ 25.00
Health Insurance	\$10.00 per semester
Infirmity charge per day	\$ 4.00
(After first three days each semester)	
Late registration (per day)	\$ 3.00
Matriculation Fee	\$ 10.00
Special Examinations in any department or course	\$ 5.00
Special placement or achievement test in any department	\$ 5.00
Transcript fee for transcript or copy of academic record (After first issue)	\$ 1.50
Lock Deposit for Physical Education Courses	\$ 5.00
(Refunded if the lock or key is returned to Physical Education Department)	
Key Deposit for Dormitories	\$ 5.00
(Refunded if returned)	
Linen (per semester)	\$ 15.00

BREAKAGE AND GUARANTEE DEPOSITS

These deposits are made to cover actual costs of special services materials.

Biology 230	\$ 7.00 per semester
Biology 343	\$ 5.00 per semester

Chemistry and Physics breakage and guarantee deposits are covered by a \$5 breakage card purchased by each student each semester for each laboratory course in which he is enrolled. In the event the breakage is in excess of \$5 per course per semester, an additional \$5 breakage card must be purchased. Unused portions will be refunded at the end of each academic year.

BETHANY COLLEGE STUDENT DRAWING

The Business Office provides a limited banking service whereby students may deposit funds and draw on them as required. Either students or their parents may make deposits to the Student Drawing Account.

All checks must be made payable to the Bethany College Student Drawing Account.

The only charges for this service are the established rates of exchange for handling checks and its use is recommended. This avoids the necessity of the student keeping on hand any substantial amount of money.

PAYMENT OF STUDENT ACCOUNTS

At the time of registration an invoice is prepared for each student, listing all charges due the College for the following semester. Payments are due in accordance with the following:

First Semester

By September 1 a payment of\$600
Balance on account due November 1.

Second Semester

By January 15 a payment of\$600
Balance on account due March 15.

Scholarships and awards may not be used as credit against this requirement; however, completed loan agreements may be. All special student accounts for which total semester charges are \$600.00 or less are payable in full at registration.

Students will not be permitted to register if the initial payment requirements for each semester are not met, and they may be denied College privileges if subsequent payments are not completed as scheduled. *These requirements are in addition to the registration deposit.*

Checks or drafts should be written payable to Bethany College.

An account service fee of 2% per month will be charged on balances outstanding on all student accounts as of November 1 for the first semester and March 15 for the second semester. This fee will be entered on all accounts the day following the above dates and at 30-day intervals thereafter for a period not to exceed 90 days.

Students may not take final examinations, receive academic credit or obtain transcripts or grades until satisfactory arrangements are made to cover financial obligations.

MONTHLY PAYMENT PLANS

The College has made arrangements with the Insured Tuition Payment Plan, Education Funds, Inc., and The Tuition Plan, Inc. whereby student accounts may be paid on a monthly basis during the year. Arrangements to use any of these plans should be made prior to the registration period. Information concerning these may be obtained by writing to the Business Office, and contract forms may be obtained by writing the Insured Tuition Payment Plan, 38 Newbury Street, Boston 16, Massachusetts; Education Funds, Inc., 10 Dorrance Street, Providence 3, Rhode Island; The Tuition Plan, Inc., One Park Avenue, New York 16, New York. Contracts are to be completed by the parent or guardian of the student by direct negotiation with the payment plan offices indicated.

FINANCIAL AIDS

BETHANY COLLEGE provides limited financial assistance to promising and deserving students through scholarships and loans to the extent that designated funds permit. There are also limited opportunities for student employment.

Candidates for admission to the freshman class who wish to apply for any form of financial aid **MUST** submit the **PARENTS' CONFIDENTIAL STATEMENT** to the College Scholarship Service, Box 176, Princeton, New Jersey **PRIOR TO FEBRUARY 1ST** for evaluation and submission to our Admission Office. No special examinations are required of financial aid applicants but candidates for scholarships must take the College Board Scholastic Aptitude Test not later than December of the applicant's Senior year, since no applicant will be considered for assistance until accepted for admission. College Scholarship Service forms will be available in secondary schools on October 1, 1965.

Financial aid cannot be given to all who apply, but students of ability who need assistance are encouraged to apply. So many students of genuine need and without other resources ask for help from the College that those who can obtain help from friends or relatives should do so. The Committee makes awards on the basis of academic accomplishments, constructive citizenship, and financial need. Major awards include all three types of financial aid: scholarship, loan and employment. All awards are credited against college charges.

SCHOLARSHIPS

Bethany College recognizes promise and intellectual attainment by awarding a number of scholarships. These awards vary in value and are available to a limited number of entering students. Most scholarships are awarded to freshmen on a four-year basis,

but they are subject to review and continuation or cancellation at the end of each year. They are continued from year to year only if the recipient has met the following conditions:

1. A satisfactory scholarship index.
2. Satisfactory deportment as a student.
3. Worthwhile contributions to the college program.
4. Constructive citizenship in the college community.
5. Payment of Student Accounts as scheduled.

LOAN FUNDS

The Phillips Loan Fund was established in 1890 by the gift of Thomas W. Phillips, Sr., of New Castle, Pennsylvania, in the amount of \$10,000. Principal and interest in this fund are lent to students preparing for the Christian Ministry.

The Claude Worthington Benedum Scholarship Loan Fund was established by the Claude Worthington Benedum Foundation. Loans from this fund are made to Bethany students who are bona fide residents of West Virginia, are in need of financial aid, and meet requirements for such assistance as established by the faculty.

The National Defense Student Loan Fund. The Federal Government established in 1959 a loan program for undergraduate students in which Bethany College participates. First preference is given to outstanding applicants who intend to enter the fields of education, science or foreign language. Application information may be obtained from the Admission Office or the Business Office.

Applications for loans must be made to the Committee on Scholarships and Financial Aids.

STUDENT EMPLOYMENT

Limited opportunities for students to earn money for college expenses are afforded, but under no circumstances is it possible for a student to earn all of his expenses. The College may not be able to provide student employment of any kind beyond \$250 as a total for any one year.

Applications for student employment must be filed on a proper form. A careful study of the student's needs and general welfare will be made by the committee caring for student employment as each application is considered. Applications for student employment should be filed with the Dean of Students.

MINISTERIAL TRAINING AWARDS

Students who are preparing for a church vocation in the fields of ministry, religious education, missions, etc., may be able to receive financial aid through grants that are made possible by contributions from churches and individuals. This program is under the supervision of the Director of Ministerial Training. It is provided primarily for those who are preparing for a church vocation with the Christian Churches (Disciples of Christ). Some financial assistance is available to those preparing for this type of service with other religious groups. Continuation of these awards requires satisfactory academic performance in each academic year.

THE GANS FUND AWARDS

A fund of \$50,000, established by Wickliffe Campbell Gans of the Class of 1870 and Emmett W. Gans, in memory of their father and mother, Daniel L. and Margaret Gordon Gans, the income of which is to be awarded to juniors and seniors at Bethany College and to graduates of Bethany College engaged in study and research at Bethany or elsewhere who have shown "evidence of merit and promise in the field of science." Funds so awarded will be available for approved study and research in some specific field.

SCHOLARSHIP FUNDS

The College recognizes, with appreciation, the gifts of specially designated funds which not only provide lasting memorials for individuals and families, but also make possible scholarship grants to undergraduates who otherwise would find it difficult to remain in college.

The following scholarships have been specially designated by friends of the College and are part of the total resources available for financial aid to students:

Mary A. Morrison Scholarship—This is a scholarship covering part of the cost of tuition.

Isaac Mills Scholarship—This scholarship covers a part of the tuition charge of a ministerial student.

G. A. Willett Scholarship—This scholarship of \$80 per semester applies on tuition. The student receiving this scholarship is to be nominated by a member of the Willett family.

Isaac Brown Scholarship—This scholarship provides \$30 per year to apply on tuition.

Albert C. Israel Scholarship—This scholarship yields \$20 per year to apply on tuition of a descendant of Albert C. Israel.

Jennie I. Hayes Scholarship—The income from a fund of \$5,000 is awarded for the purpose of helping students who are preparing for the mission field or the ministry. The students who receive the benefits of this scholarship may be nominated by the donor.

Ida M. Irvin Scholarship—The income from a fund of \$5,000 is awarded to students who have reached the senior year in their college course.

Herbert Moninger Scholarship—A scholarship fund of \$2,500 established in memory of Mr. Herbert Moninger, a graduate of the class of 1898. The income is used to aid a student or students preparing for religious education.

Josiah Wilson Scholarship—A scholarship fund in the amount of \$2,576 established by Josiah N. Wilson in memory of Josiah N. and Wilminia S. Wilson. The income is used to aid a student or students preparing for the Christian ministry.

The John H. and Ida H. King Scholarship Fund—The income from a fund of \$18,292 is awarded to students at Bethany College under terms approved by the Trustees of the College in accordance with the will of the donors.

M. M. Cochran Scholarship—Scholarships covering a part of the tuition charge.

Minnie W. Schaefer Awards—The income from this fund of \$8,350 is awarded to a student or students preparing for definite Christian service.

J. T. Smith Awards—A fund of \$17,417 established by Mr. J. T. Smith of Memphis, Tennessee, the income of which is available for students preparing for the Christian ministry or some other form of Christian service.

William Kimbrough Pendleton Scholarship Fund—A fund of \$20,000 set up by Clarinda Pendleton Lamar in memory of her father, William Kimbrough Pendleton, member of the first faculty and second president of the College (1866-1889), the income of which is available each year to one or more citizens of West Virginia. These awards may be in the form of loans or out-right gifts as determined by the Committee on Scholarships and Financial Aids.

Vinson Memorial Fund—A fund of \$1,600 established by Z. T. Vinson, of the Class of 1878, through the Central Christian Church of Huntington, West Virginia, the income from which is available to students preparing for the Christian ministry.

Florence M. Hoagland Memorial Scholarship—A fund of \$5,165 established by Miss Frances Cables of Woodstock, New Hampshire, for the establishment of a scholarship in memory of Florence M. Hoagland, Head of the Department of English and Advisor for Women at Bethany from 1936 to 1946, the income of which is available to students approved by the Committee on Scholarships and Financial Aids.

Perry Scholarship Fund—A fund of \$11,928 established in memory of Professor and Mrs. E. Lee Perry. Professor Perry was a graduate of the College in the Class of 1893, Professor of Latin at the College from 1908 to 1939 and Professor Emeritus from 1939 to 1948. Under the terms of this gift, the income of this fund is to be used to aid students preparing for the Christian ministry.

William H. Vodrey Scholarship—A fund of \$28,314 established by Mr. William H. Vodrey, a member of the Class of 1894, the income of which is to be used to assist a student or students from the area around East Liverpool, Ohio.

Adelaide E. and Arthur C. Stifel Scholarship—A fund of \$42,712 established by Mr. and Mrs. Arthur C. Stifel of Wheeling, the income from which is to be used to assist a student or students from the Wheeling area.

Newton W. and Bessie Evans Scholarship Fund—A fund of \$5,000 established by Mr. Newton W. Evans, the income from which is to be used to assist worthy students in furthering their education at Bethany College.

The Oreon E. Scott Foundation Scholarships—A grant from the Trustees of the Oreon E. Scott Foundation provides scholarships covering part of the tuition costs for the junior and senior year to those students preparing for the Christian ministry who have the highest scholarship index for prior years.

Campbell Allen Harlan Scholarship—A fund of \$17,000 established by Mr. Campbell Allen Harlan of Detroit, Michigan, the income from which is to be used to assist students of unusual ability in the fine arts to further their education at Bethany College.

Perry and Aleece Gresham Scholarship—A fund of \$10,228 established by Detroit friends as a gift to Dr. and Mrs. Perry Epler Gresham in appreciation of his ministry at Central Woodward Christian Church. The income from this fund is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Greensburg Area Scholarship Fund—A fund of \$21,428 established anonymously in 1953, the income from which is to be used to assist students of ability and need, from the Greensburg, Pennsylvania, area to attend Bethany College.

Patrick A. and Elizabeth Berry Scholarship Fund—A fund of \$5,000 established by Miss Sara Cameron, the income from which is to be used to assist students of ability and need, from the Counties of Homes and Knox in the State of Ohio, whenever possible.

Forrest H. Kirkpatrick Scholarship—The income from a fund of \$10,623 is awarded for the purpose of helping students who are sons or daughters of alumni.

Irene O. Darnall Scholarship—A fund of \$3,275 established by Irene O. Darnall, the income from which is to be used to assist needy and worthy students of Bethany College.

Lotta A. Calkins Scholarship—A fund of \$21,045 established by Lotta A. Calkins, the income from which is to be used to assist needy and worthy students who are preparing for full time Christian service in ministry and missions.

John E. Sugden, Jr. Fund—A fund of \$2,000 to render assistance in the forms of loans and grants to students who are preparing to become ministers of the Christian Church.

Marion and Frank Dunn Scholarship—A fund of \$2,050 the income from which is to assist worthy and eligible students designated by the Committee on Scholarships and Financial Aids.

Harry L. Ice Timothy Ministerial Endowment Fund—A fund of \$48,361 established by Mr. and Mrs. Robert H. Lee of Pittsburgh, Pennsylvania, honoring Dr. and Mrs. Ice in recognition to Dr. Ice for his productive and untiring work in establishing and building the "Timothy Ministerial Training Program." The income from this trust is to be used to assist students of ability and need who are preparing for full-time Christian service in the fields of ministry, religious education, missions, and other church vocations.

A. Dale Fiers Ministerial Athletic Scholarship—An annual award of \$100.00 to recognize and encourage the scholastic and athletic skill of an outstanding upperclassman preparing for the Christian ministry.

The Parsons Memorial Timothy Fund—An initial fund of \$10,117 established by the Heights Christian Church, Shaker Heights, Ohio, and other friends in memory of Dorothy and Waymon Parsons for dedicated leadership to this church and the Brotherhood of Christian Churches (Disciples of Christ). Income from this fund is to be used to assist worthy students who are preparing for a church vocation through the ministry, missions, or Christian education.

Mr. and Mrs. Earl B. Brink Scholarship—A fund of \$2,000, the income from which is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Thomas J. Boyd—A fund of \$1,200, the income from which is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Florence Abercrombie Scholarship Fund—A fund of \$22,647.00 established by Florence Abercrombie, the income from which is to be used to provide scholarships for worthy students preparing for full-time Christian Service.

C. C. Smith Scholarship. A fund of \$4,300 established by the children, grandchildren and friends in memory of Mr. and Mrs. C. C. Smith whose dedicated lives were spent in service to the Christian ministry in town and country churches. The income is to be used for scholarships with priority given to those preparing for the Christian ministry and lay leadership.

National Campbell Scholarship—An endowment fund established in memory and honor of Alexander Campbell. Awards are in recognition of Christian service and academic accomplishment to develop able and dedicated lay leadership in the Christian Church. Nomination for these awards is made by the local minister and the awards are granted by the Committee on Scholarships and Financial Aids.

Rhodes Scholarships—Men who have completed their sophomore year at Bethany are eligible to compete for the Cecil Rhodes Scholarship, tenable for three years at Oxford University, England. These scholarships are awarded on the basis of character, scholarship, athletic ability, and leadership, in extra-curricular activities. Further information may be obtained from the Dean of Students.

Departmental Fellowships—Certain members of the junior class are designated as Senior Fellows for the following year. The selection is made only of Students who have attained unusual excellence in their major study and who, by character and ability, can do special work in a department as an assistant in instruction and research. The Senior Fellowship carries a small stipend. No more than six Senior Fellowships are awarded in any one year. The selection of Senior Fellows is made by the Committee on Honors from the nominations of the department heads.

Foreign Exchange Fellowships—Each year at least two students direct from foreign countries come to Bethany to study on fellowships provided by the college administration. These students come to interpret their own people and their national culture to American student life. These awards are made only to students who are recommended by the Institute of International Education.

STUDENT ORGANIZATIONS AND ACTIVITIES

A CAMPUS LIFE rich with many and varied undergraduate interests is generally recognized as one of the advantages of Bethany. Such a personal enrichment grows naturally out of the friendly relationships between students and faculty and offers an opportunity for the expression of the desires of the individual student.

STUDENT GOVERNMENT

The government and direction of student interests and student activities are the joint responsibility of the Faculty and Administration of the College and the Student Board of Governors. The Student Board of Governors is elected by the student body and cooperates with the College Administration and Faculty in developing an intelligent appreciation of responsible participation in the college community life.

The Association of Women Students, of which every woman student is automatically a member upon her entrance into college, gives the college woman a better opportunity for experience in leadership and for sharing with the College the responsibility for her conduct.

RELIGIOUS LIFE

One of the expressed aims of the College is "To provide higher education in an atmosphere sympathetic to Christian ideals and Christian faith and to conserve and develop the moral character and religious life of its students." The aim is meant to bear upon instruction, counseling, and social life as well as formal religious services.

Some of the student assemblies on Thursday of each week are designed as Religious Chapel. Attendance is obligatory for all students. The Chapel Services are planned by a committee of faculty and students. The program consists of a brief devotional service and a short address on some vital religious matter.

Every effort is made to make these Chapel services non-sectarian and non-denominational. Representatives of the Christian and Jewish faiths are included among the visiting speakers. The devotional services make use of materials from many religious traditions.

STUDENT MEMBERSHIP

Many of the students at Bethany College find an opportunity for expression of their religious faith in the Bethany Memorial Church. Any student who is a member of a church in his home community is eligible for student membership. Student affiliation at Bethany in no way alters membership with the student's home church.

The program for students at the church includes a College Class for Bible study and group discussion on religious themes, and morning worship each Sunday morning.

The minister of the Bethany Memorial Church, who is also the College Chaplain, is available to students for counseling and advice on personal and religious matters.

CAMPUS RELIGIOUS PROGRAM

The interdenominational campus religious program administered by the Office of the Chaplain is called "Encounter." Encounter consists of four main divisions: the church and worship, the church and contemporary arts, the church and society, and the church and thought. Each division consists of two faculty advisors and from 10 to 15 students representing a cross-section of the student body. Vesper services are planned once each month and a special campus discussion program is offered once each month. Encounter involves not only discussion of religious issues, but also provides opportunity for actual service projects and field trips to various areas of social unrest and charge. All interested students are invited to participate in this program.

CHRISTIAN LIVING EMPHASIS WEEK

Christian Living Emphasis Week, more familiarly known as CLEW, is planned and directed by a Campus Committee of students and faculty. CLEW brings to the campus nationally known leaders of various beliefs. Chapel services, class periods, residence halls, fraternity and sorority houses are thrown open to these leaders in an effort to convince each student of the importance of religion in life. Special "bull sessions," discussion groups, and personal conferences are also a part of the program.

LENTEN DEVOTIONALS

A student committee of representatives from "Encounter" plans and presents a series of noon-day devotional services throughout the week before Easter. Music, art, devotional materials, and drama are used to provide a background for a personal experience of worship.

COURSE IN BIBLICAL RELIGION

Six semester hours are required of all students which include a survey of the Bible and an introduction to contemporary religious bodies in America, with attention to the religious movement which gave Bethany College its origin and continuing relationships. The Bible has been a textbook at Bethany since its founding.

MINISTERIAL ASSOCIATION

Students who are preparing for a life work in the Christian Ministry or missionary service or religious education are invited to become members of the Ministerial Association. Meetings are held throughout the college year, in which matters relating to the field of Christian service and the church are discussed.

CHURCH CHOIR

The church choir sings each Sunday morning at the Bethany Memorial Church and functions as a community church organization in co-operation with the general work of the congregation. Non-restricted as to size; membership by audition.

MUSIC

CONCERT CHOIR

A select choir of not more than forty mixed voices which presents concert performances on campus and goes on tour each spring. The repertoire consists primarily of serious, rather difficult works, sacred and secular, of all periods. There is opportunity within the choir for the formation of smaller ensembles to cultivate special types of repertoire, e.g. madrigals. The choir also cooperates with the Drama Department in the production of one light opera each year.

MALE CHORUS

A chorus of thirty-six select voices. The repertoire is quite varied with emphasis on serious works. There is usually a spring tour of high schools and churches.

ORATORIO CHORUS

A large combined choir presents the annual Christmas performance of Handel's "The Messiah," and one larger work during the spring semester.

SYMPHONY ORCHESTRA

Newly formed in 1960, the orchestra is open to all who can qualify. Emphasis is on standard symphonic repertoire, developing reading ability, and pre-professional ensemble playing.

COLLEGE BAND

Members of the orchestra and other ensembles join forces to act as a pep band in football season and for special occasions.

BRASS CHOIR

Appears in formal convocations, in concert, and in the spring gives Sunday afternoon Tower concerts featuring Baroque music. Open to qualified players by audition as vacancies occur.

CHAMBER MUSIC

Woodwind quintets, string quartets, and smaller ensembles are open to all who play orchestral instruments.

WHEELING SYMPHONY

There is opportunity for proficient orchestral musicians, especially string players, to play in the Wheeling Symphony, a fine orchestra with very high standards of performance. To be admitted into the orchestra, one must audition with the Symphony's director.

DRAMA

The Theater of the College offers experience to students with dramatic talent in the writing and producing of plays. Several plays are presented during the year. The work is correlated with the courses in Play Direction and Production and in Acting, under the supervision of the Department of Speech and Drama. Every effort is made to give this work a distinctly educational value both to performers and to audiences. Practically any student with an interest in dramatics may become a member of the campus dramatic club, Sock and Buskin.

ATHLETICS AND RECREATION

Intercollegiate athletics are considered an integral part of the Physical Education program, and are promoted to furnish those students who possess a high degree of skill in a variety of physical activities an opportunity to compete with students from other institutions with similar standards. Through such competition stu-

dents should develop confidence, perseverance, courage, emotional control and a spirit of competition.

Intercollegiate sports at Bethany College include football, basketball, baseball, track, tennis, golf, cross country, and swimming. Membership is held in the Presidents' Athletic Conference, which includes the following schools: Allegheny, Thiel, and Washington and Jefferson colleges in western Pennsylvania; Case Institute of Technology, Western Reserve, and John Carroll universities in Ohio; Eastern Michigan State, and Wayne State universities in Michigan.

Healthful athletic recreation is provided for the entire student body by an intramural program which includes a complete schedule of team sports. This program is supervised by the Director of Intramural Athletics, a member of the staff in the Department of Physical Education.

The Women's Recreation Association encourages the participation of all women in a program of physical education and recreation. Facilities are provided for basketball, volley ball, tennis, hockey, speedball, swimming, and archery. The W. R. A. sponsors an invitational Play Day for students of area high schools and in addition, is host to delegations from tri-state colleges several times during the college year.

PUBLICATIONS

The college publications consist of a weekly newspaper (the *Bethany Tower*), the college year book (the *Bethanian*), the *Student Handbook*, and *The Literary Harbinger*. These publications are edited and published under the supervision of the Board of Publications. The Departments of Journalism and English provide professional guidance.

FRATERNITIES

Ten social fraternities and sororities have active chapters at Bethany College.

The fraternities for men are: Alpha Sigma Phi, Beta Theta Pi, Delta Phi Delta, Kappa Alpha, Phi Kappa Tau, and Sigma Nu. The sororities for women are: Alpha Xi Delta, Kappa Delta, Phi Mu, and Zeta Tau Alpha.

The Inter-Fraternity Council, composed of representatives from each of the fraternity chapters, acts as the coordinating agency in fraternity affairs and activities. The Pan-Hellenic Board directs the activities and "rushing" season for the sorority chapters.

INITIATION

Students shall not be initiated into any fraternity or sorority until they have completed fifteen hours of resident academic work.

For pledging or initiation, a student must be in good standing with respect to college financial obligations as well as in good standing at the college both academically and socially.

CLUBS AND ASSOCIATIONS

Several active clubs and societies are sponsored by various departments in the college. The nature of the French Club, Sociology Club, Chemistry Club, German Club, Spanish Club, Economics Club, International Relations Club, and Psychology Club is explained by their titles. Papers dealing with appropriate topics are presented by students, faculty members and out-of-town speakers.

Young men and women of the student body preparing for full time Christian Service are eligible for membership in the Ministerial Association.

The H. T. McKinney Chapter of the Student National Education Association was chartered at the college in the fall of 1942.

A chapter of Student Affiliates of the American Chemical Society was founded at Bethany in 1948.

RECOGNITION OF STUDENT ACHIEVEMENT

BETHANY COLLEGE undertakes to encourage superior achievement in scholarship and outstanding leadership in student affairs by public recognition at Commencement, on Honors Day and on other suitable occasions.

GRADUATION HONORS

Students who have done academic work of unusual merit will be graduated with honors, viz., Summa Cum Laude, Magna Cum Laude or Cum Laude. The awarding of honors is determined upon the basis of total quality points earned, standing in the Senior Comprehensive Examination, and the recommendation of the Senior Counselor in charge of the student's field of concentration.

Students who make an unusual record on the Senior Comprehensive Examination are listed at graduation as having "Passed With Distinction."

CLASS HONORS

Upper division students of the College who complete the academic work of any one year with a scholarship index of 3.50 are recognized for "First Honors" for the year, and those who complete the academic work of any year with a scholarship index of 3.25 are recognized for "Second Honors" for the year. Lower division students of the College who complete the academic work of any one year with a scholarship index of 3.25 are recognized for "First Honors" for the year, and those who complete the academic work of any one year with a point average of 3.00 are recognized for "Second Honors" for the year.

SEMESTER HONORS LIST

At the end of each semester, a list of students who have rated high in academic attainment as attested by scholarship index are designated as "Students Distinguished in Scholarship." This distinction is determined by the Committee on Honors.

SENIOR FELLOWSHIPS

Certain members of the junior class may be designated as Senior Fellows for the following year. The selection is made only of students who have attained unusual excellence in their Field of Concentration and who, by character and ability, can do special work in a department as an assistant in instruction or research. No more than six senior fellowships are awarded in any one year. The selection of Senior Fellows is made by the Committee on Honors from the nominations of the department heads.

HONORARY ORGANIZATIONS

Gamma Sigma Kappa is the honorary scholastic fraternity founded at Bethany College in 1932. Students maintaining a scholarship index of 3.25 for four consecutive semesters, provided that in no semester their scholarship index falls below an average of 3.00, are, upon recommendation by the faculty Committee on Honors, eligible for membership.

Bethany Kalon is an honor society established in 1948 to give recognition to students who have demonstrated competent and unselfish leadership in student activities, have been constructive citizens of the college community, and have maintained high standards of personal character. It is open only to juniors and seniors. Selection is made by the members of the society with the advice and approval of the Committee on Honors.

The West Virginia Delta Chapter of Pi Gamma Mu is an honorary social studies fraternity. Students maintaining a high

scholarship index in twenty semester hours of social studies are eligible for membership.

Alpha Phi Chapter of Beta Beta Beta is an honorary society for students of the biological sciences. Its purpose is to stimulate sound scholarship, to promote the dissemination of scientific truth, and to encourage investigation in the life sciences.

Iota Theta Chapter of Sigma Tau Delta is an honorary English fraternity. Membership is limited to students who have maintained a scholarship index of 3.2 in 15 semester hours of English and a total scholarship index of 2.8.

Tau Chapter of Omicron Delta Epsilon, National Honor Society in Economics, was established at Bethany College in December, 1960. Membership is limited to students of at least Junior standing, who have completed twelve or more semester hours of courses in Economics with an average of B plus or higher, and whose grade average in all courses is at least B.

Beta Gamma of Alpha Psi Omega is a national recognition society in dramatics. Students qualify by faithful work in playing a certain number of major and minor roles in the plays presented on campus. Provision is also made for crediting other kinds of dramatic work on the technical and business side of play production as equivalent to major and minor roles.

Pi Delta Epsilon is a national recognition society in journalism. Its purpose is to elevate the cause of journalism, to develop the truest fraternal spirit among its members, to encourage loyalty to alma mater, and to reward the journalist for his efforts, service, and accomplishments by admission to its membership.

AWARDS

The Oreon E. Scott Award is made each year to the graduating senior who has achieved the highest academic record over the four-year period. The donor of this award was a Bethany graduate of the Class of 1892.

The Anna Ruth Bourne Award is planned to stimulate scholarship among the women's social groups. This is a silver cup, provided by an anonymous donor, awarded to the active and bona fide women's social group whose active membership earned the highest scholarship standing each semester. The group winning the cup for four semesters is presented with a smaller replica as a permanent trophy.

The W. Kirk Woolery Award is offered to encourage scholarship among the men's social groups. This is a silver cup, donated by friends of the late Dr. Woolery who was Dean of Provost of

the college. This cup shall be held by the active and bona fide men's social group whose active membership earned the highest scholarship standing during the preceding semester. Any group winning the cup for four semesters will be presented with a smaller replica as a permanent trophy.

The Outstanding Junior Woman Award is provided by the Pittsburgh Bethany College Club, comprising the college alumnae of Pittsburgh. This award is based on qualities of leadership, character, conduct, and scholarship. The club has placed a suitable plaque in Phillips Hall on which the names of the winners are engraved. In addition, an individual gift is made each year to the person designated.

The W. F. Kennedy Prize is given each year to the outstanding young man in the junior class. This award, established by Mr. W. F. Kennedy of Wheeling, West Virginia, is awarded on the basis of his contribution to the college community life through leadership in activities, personal character, and scholarship.

The Freshman Writing Award is open to all Bethany freshmen and is judged on the merit of three types of writing: the essay, the short story, and poetry. The judging of the contest is under the direction of the Department of English.

The Shirley Morris Memorial Award, established by Theta chapter of Zeta Tau Alpha, in memory of Shirley Morris, a loyal member and past president of the chapter, is given annually to the outstanding student in the field of modern languages. Selection is made by the Modern Language Department of Bethany College.

The Beta Beta Beta Award, established by an anonymous donor, is an annual award made to the senior student majoring in Biology who has attained the highest academic rank in this field of concentration.

The Florence Hoagland Memorial Award, given by a graduate of the Class of 1944, is presented each year to the outstanding English major in the graduating class. The award honors the memory of the late Miss Hoagland, who was for many years Professor of English at Bethany.

The Cammie Pendleton Awards, named in honor of Miss A. Campbellina Pendleton, Professor of Language and Literature of Bethany from 1884 to 1909, are presented annually to the outstanding junior and sophomore majoring in English. The awards are given by Dwight B. MacCormack, Jr., of the class of 1956, in memory of his grandmother, Dr. T. Marion MacCormack.

The Sigma Tau Delta Prize in English, given by a member of the class of 1950, is presented each year at Commencement

to the English major who has attained the second highest rank in English.

The E. E. Roberts Distinguished Prize in Campus Journalism, is awarded annually to an outstanding student who excels in work on a student publication, academic work in the Department of Journalism, or both.

The Francis O. Carfer Prize is given each year to the senior who, in the judgement of the Faculty Committee on Honors, has made the most outstanding contribution to the College during his undergraduate years. Mr. Carfer, a Trustee of Bethany College for 29 years, is remembered for his devotion to *alma mater*. Recipients of the award must display sound academic accomplishment and characteristics of loyalty, service, and devotion to Bethany College.

Senior Award in Chemistry. This award, by anonymous donor, is granted to the senior majoring in chemistry who has achieved the highest cumulative average in his major field, including the record made on the Senior Comprehensive Examination.

STUDENT HEALTH

THE COLLEGE recognizes its responsibility for the physical well being of its students and undertakes to provide adequate facilities and procedures to safeguard their health. Attention is given to the prevention of illness or accidents as well as to treatment and cure.

THE COLLEGE INFIRMARY

The College Infirmary, in charge of the College Nurse and her assistants, is open while the College is in session. It includes the physician's office, dispensary, treatment rooms, medicine room, and wards for men and women.

The College Physician is at the infirmary each day for consultation, examination, and treatment without charge. Students may not call or request nursing services outside the infirmary.

DISPENSARY

Each student is expected to report any illness to the college dispensary. The Head of Residence in any college facility should be advised at once if a student is ill and unable to report to the dispensary. In the event of contagious or infectious disease, students will be expected to observe all regulations which may be prescribed by the college officers or public health officials.

Arrangements can be made for vaccinations, cold serums and special treatments at the college dispensary. No extensive medical or surgical procedures are carried out at the infirmary, but all minor ailments will be cared for, and some medicines will be supplied.

EXAMINATION AND TREATMENT

All students registering for the first time at Bethany are advised to bring a record of a recent and thorough physical examination by their family physician. Those who have not done so will be examined by the College Physician and may be required to follow his recommendations.

When medical care is needed outside the infirmary, advisory assistance in securing outside services will be given but the expense of such treatment must be paid by the student.

Students are free to employ either the College Physician or a physician of their own choice in any case of illness. Well-trained physicians are available in Wellsburg and Wheeling.

HEALTH COURSE

Instruction in health is offered in the classroom. A course in personal hygiene or its equivalent (Biol. 101) is required of all students, preferably in the freshman and sophomore years.

INFIRMARY CARE

In case of need, each student is entitled to three days per semester of resident care in the infirmary with no additional charge. The cost of this service is covered by a portion of the General Fee. For periods in excess of this time, a charge of \$4.00 per day is made. Students not boarding in college dining halls will be charged \$4.00 per day for board during the period of hospitalization, beginning with the first day of admission to the Infirmary.

STUDENT HEALTH INSURANCE

The Student Health Service is not designed to cover accidents or serious illness requiring special medicine or surgical treatment or hospitalization. The College therefore makes available to its students and their parents medical, surgical and hospitalization insurance to afford reasonable protection for those cases which exceed the benefits and services extended by the College Infirmary. The cost is \$10.00 per semester, and will be included in the College invoice, unless the appropriate waiver is forwarded to the Business Office as specified.

GENERAL STUDENT REGULATIONS*

The College expects all students to be responsible citizens. The regulations of the College are for the protection of the rights of all members of the College community. Students who do not accept the necessity of responsible action or are antagonistic toward the spirit and purposes of the College may be dismissed or requested to leave at any time.

The men and women of the College live under conditions intended to provide a pleasant and wholesome social life and a reasonable amount of social recreation is encouraged. Such diversions, however, may be restricted to limits considered favorable to the total welfare of the students. In the administration of regulations and policies, the college officers will be guided in the treatment of individual cases somewhat by the general attitude of the student toward the College, i.e., whether or not he has proved himself a creditable member of the college community, as shown by regularity in attendance at classes, promptness in the fulfillment of obligations, earnestness in endeavor to profit by the college opportunities and an evident awareness and practice of high standards of social and moral conduct.

Bethany College has always been opposed to the use of intoxicating liquors. This policy should be understood and accepted by every matriculant.

No student may bring, keep or drink alcoholic beverages on the campus, in a college dormitory or at a local rooming house. Students are required to refrain from the use of alcoholic beverages at any and all college or social club functions and on all occasions when they are representing the college. A student who violates these regulations or who conducts himself in a manner prejudicial to the best interest of the college while off the campus will be subject to disciplinary action.

The whole record of each student will be surveyed at the end of each semester with reference to his conduct in the community as well as his academic attainments. If the student's conduct over the past semester has been unsatisfactory and seems likely to remain so, the administration will consider whether the student is justifying his candidacy for a college degree at Bethany. *Students who do not show promise of academic accomplishment or fail to be good citizens will not be allowed to continue. It is expected that a student who earns credits at Bethany College must satisfy the faculty as to uprightness of character as well as accomplishment in scholarship.*

*Detailed regulations are published in the *Student Handbook*.

The Dean of Women is in charge of the general supervision of the college women, with the direct responsibility for regulation of their social life, residence and social privileges, and out of town privileges. Each residence hall for women is presided over by a house hostess or a faculty resident.

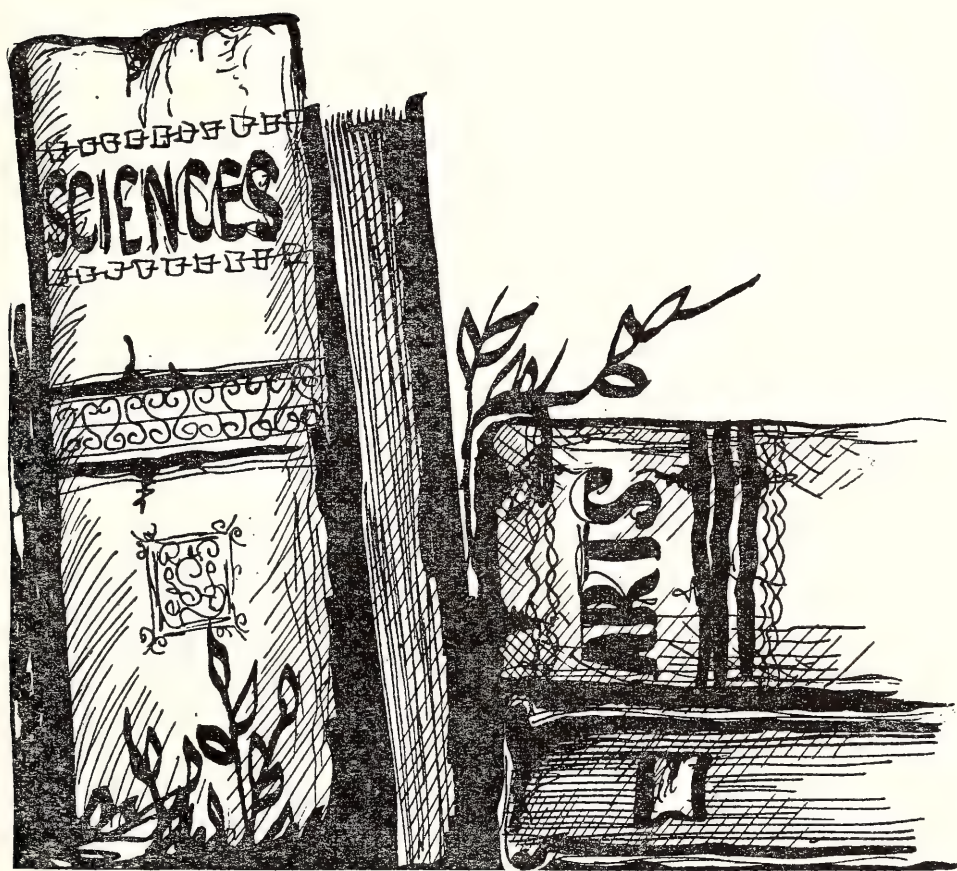
No student will be permitted to reside or board in any place which has not been listed as "*approved*" by the Office of the Dean of Students. Fraternity and sorority houses, private dwellings and rooms in residence halls where students are living, must at all times be open for inspection and appraisal as to influences and conditions relating to morals, health and social culture.

AUTOMOBILES

When students are admitted to Bethany College, the College assumes that they have attained a certain maturity with respect to personal and social responsibility. Today the automobile is a possession common to most households. Students of the College are permitted to maintain and operate automobiles at Bethany if they meet certain rigid regulations set up by the College. A student must have written permission of parent or guardian and automobile insurance coverage as stipulated by the College. He must not only maintain a scholastic average of at least 2.25 but also demonstrate those qualities which make him a responsible citizen of the Bethany community.

Freshmen are not permitted to bring automobiles to Bethany. The freshman year may be difficult because many social and academic adjustments have to be made. Therefore an automobile cannot be brought to Bethany until the student has shown that he can manage himself and his college relationships in a capable way.

Application forms and complete information governing the maintenance and use of an automobile in Bethany may be secured from the Office of the Dean of Students.



THE ACADEMIC PROGRAM

THE BETHANY PROGRAM

BETHANY is a small, Christian church-related, liberal arts college, with high standards of academic quality for both its students and its faculty.

It is small, in order that a close relationship may exist among the students and the faculty. No student need ever be "lost" at Bethany.

It is church-related by history and tradition, and by the common purpose of all connected with the College that education be more than merely the mastery of classroom material. Theology is not a part of the instructional program; but the Christian ethic, which is universal in its application, is an ideal which is consciously pursued, both in learning and in living at Bethany.

It is a liberal arts college, because those who have guided its destiny from the beginning have been convinced that the best foundation for success in any field of human endeavor is a broad understanding of the nature of man and his environment. Graduates of Bethany College are well-prepared for professional or other post-graduate training; for occupations demanding the ability to think logically, analyze problems, and make decisions; and above all for leading full and useful lives.

It is a college with high standards of academic quality because Bethany believes there is no substitute for academic excellence.

AIMS

Bethany College aims to assist its students in their preparation for intelligent and creative participation in contemporary living, and to direct them toward attainment of standards of excellence in scholarship, culture, and conduct.

The Faculty of the College has listed as representative of the more particular aims of the College the following:

- (1) To impart basic knowledge in various subject matter fields;
- (2) To establish sound habits of study and critical thought;
- (3) To provide opportunity for the development of health, physical fitness, good taste, poise, and courtesy;
- (4) To stimulate appreciation for the institutions and cultural contributions of mankind;
- (5) To develop social awareness and a fellow feeling for all nations and races;
- (6) To encourage creative self-expression in speaking, writing and the fine arts;

- (7) To enable the student to concentrate in an area of interest leading toward a career in one particular field.

The College undertakes to provide higher education in an atmosphere of Christian ideas and Christian faith and to assist in the development of the moral character and religious life of its students.

STUDENT GUIDANCE

Bethany College recognizes the need of giving its entering students an introduction to their work in new surroundings, and requires freshmen to come to the campus several days before the formal registration of other students. Orientation and evaluation days are planned not only to introduce the students to the College but, at the same time, to introduce the college to the students.

Freshman orientation and evaluation activities include placement and achievement tests, which enable the faculty counselors to counsel the students and to place them in the class for which they are best fitted.

From the beginning of his college career each student has a Faculty Counselor. After the freshman or sophomore year the Counselor is usually a faculty member whose special academic interests approximate those of the student. The student has ample opportunity to be in frequent contact with his Counselor, and reports of accomplishments and difficulties can be made directly to him.

The Faculty Counselor is concerned with the student's selection of courses, his academic progress, standards of conduct, and vocational plans and objectives.

The chief officer in charge of student guidance, student welfare, and the coordination of all student personnel administration is the Dean of Students. Members of his staff are available for help in career guidance, social adjustment, financial problems, plans for graduate or professional study, or personnel analysis.

VOCATIONAL COUNSELING

IN MODERN SOCIETY practically every individual must make some plans for a vocation. The faculty at Bethany College believes that the liberally educated man or woman has the best preparation to meet the challenges and opportunities in the "world at work." Against a broad, carefully planned, liberal arts background, Bethany College students can select specialized courses or fields of concentration which will prepare them for admission to graduate and professional schools or for entrance into the world of business.

Occupational choice is dependent upon individual capacities, interests, and the current opportunities. Young people choosing a career need general and specific information about job requirements, training, and outlook. Through faculty advisors and guidance services of the college, Bethany students can receive such help. The Vocational Information Office under the direction of the Dean of Students, serves in the appraisal, vocational advising, and job placement of students. The students may get help in the following ways:

Vocational Information. The Dean of Students and designated Faculty Advisors are prepared to give students current information concerning vocations. In addition to this, files of material about occupations, and information about specific business, industries, and professions are available for student use.

Opportunities for vocational interest and personality tests and appraisals are offered to students to help ascertain some of the factors essential in the student's eventual occupational choice and adjustment.

Campus Interviews. To bring together employers and prospective employees the Dean of Students encourages representatives of business, industrial, and professional organizations to visit the campus and arranges interviews for those students who desire them.

Placement. The Dean of Students suggests to students the most effective procedures in seeking employment, recommends methods of writing letters of application, and offers pointers on techniques of the job interview.

Graduate Training. Students who plan to do graduate work leading to higher degrees should bear in mind that a reading knowledge of both French and German is generally required. Results of the Graduate Record Examination will be requested by the graduate schools of most universities, and by an increasing number of organizations in business and industry.

PRE-PROFESSIONAL STUDY

Bethany College offers pre-professional training in a variety of fields. A large percentage of its students select their courses to qualify them for entrance to technical or professional schools. The Senior Counselors or Faculty Advisor should be consulted to see that specific requirements of the school selected are met.

Below are listed a number of career interests for which undergraduate preparation is to be found at Bethany. The strong recommendations for liberal arts courses should be noted. They represent only a sampling of the many programs the student may elect in preparation for his life's work.

Christian Ministry. Students who plan to enter church vocations are expected to complete their preparation in seminaries and graduate schools of religion after their graduation from Bethany. Their undergraduate studies, therefore, include the fullest possible grounding in the liberal arts. Guided by the faculty committee on ministerial training, students elect courses which provide necessary pre-seminary studies in the natural and social sciences, the arts and humanities and religion. Students engaging in this pre-professional program may not ordinarily complete a sequence intended to train them for secular employment upon the completion of the A.B. degree.

Pre-Engineering. A broad training in the sciences and humanities provides a good foundation for students who plan future specialization in one of the branches of engineering. Students desiring to transfer to an engineering school will need to give careful attention to requirements of the engineering school they wish to enter.

By cooperative arrangement with Columbia University, Bethany offers the first three years of a five-year course and arranges for the qualified student to transfer to the technical school for the last two years of undergraduate training. Upon completion of the five-year program, degrees from both institutions will be granted.

Pre-law. Most leading law schools require no specific undergraduate courses for entrance but expect a broad training in the social sciences and humanities and in logical thinking. They recommend, however, that pre-law students take basic courses in history, political science, economics, sociology, psychology, English composition, and speech.

Pre-Medicine. Students desiring to prepare for the study of medicine will find instruction and facilities which will satisfy the entrance requirements for the best medical schools. It is recommended that the students planning to study medicine should have broad basic training in courses of general education, including foreign language, literature, philosophy, and social science. A sequence in Pre-Medical Training is planned for those who do not wish to elect a Field of Concentration in a single field of science.

Pre-Nursing. Increasing opportunities are open to college-trained women in the fields of public health and professional nursing both civilian and military. Bethany sponsors a co-operative program in nursing with certain well established and highly approved schools of nursing. Three years shall be spent at Bethany College during which time there shall be earned a minimum of 96 semester hours, including 6 hours of Physical Education, followed by the successful completion of a prescribed course at a collegiate

school of nursing recommended by Bethany College (such as Western Reserve University, University of Pittsburgh, Columbia-Presbyterian, Cornell and others), leading to the A.B. or B.S. degree from Bethany College.

Pre-Dentistry. Admission requirements to dental schools stipulate at least two years of pre-professional training. It is recommended that the pre-dental student follow to a large extent the pre-medical program.

Professional Chemistry. A thorough preparation for Professional Chemistry with a complete background of training in the liberal arts is offered in a program of courses that is designed to conform to American Chemical Society standards. Courses in Independent Study introduce the student to the principles of research, aiding in any contemplated graduate or industrial work following graduation.

FACULTY COUNSELORS

FOR FRESHMEN

Mr. Allison, Mr. Avery, Mr. Clopine, Mr. Dawson, Mr. Errington, Mr. Gaddis, Mr. Goin, Miss Gordon, Mr. Graham, Mr. Grall, Mrs. Hanna, Mr. Hauptfuehrer, Mr. Huff, Mr. Jones, Mr. Kania, Mr. Kenney, Mr. Knight, Mr. Kurey, Mr. Larson, Mr. Long, Mr. Martin, Miss Mathison, Mr. McAlexander, Mr. Myers, Miss Nicholson, Mr. Patsiga, Mr. Patterson, Miss Porter, Mr. Preston, Miss Reed, Mr. Samuel, Mr. Sandercox, Mr. Schweinfurth, Mr. Sweet, Mr. Sykes, Mr. Taylor, Mr. Tye, Mr. Walters, Mr. Wilson.

FOR FIELDS OF CONCENTRATION

<i>Art</i>	MR. McALEXANDER
<i>Biology</i>	MR. WEIMER
<i>Chemistry</i>	MR. DRAPER
<i>Communications</i>	MR. CARTY, MR. DRINNON
<i>Economics</i>	MR. RICHARDSON
<i>Education</i>	MR. SPENCE
<i>English</i>	MISS MCGUFFIE
<i>Fine Arts</i>	MR. HAUPTFUEHRER
<i>Foreign Languages</i>	MR. MCKENZIE
<i>History and Political Science</i>	MR. SHAW
<i>Mathematics</i>	MR. TYE
<i>Music</i>	MR. HAUPTFUEHRER
<i>Philosophy</i>	MR. MYERS
<i>Physical Education</i>	MR. KNIGHT
<i>Physics</i>	MR. ALLEN, MR. WEI
<i>Psychology</i>	MR. RAY
<i>Religion and Religious Education</i>	MR. PRESTON
<i>Sociology and Anthropology</i>	MR. SHOUP

FOR CAREER INTERESTS

<i>Dentistry</i>	MR. WEIMER
<i>Law</i>	MR. WEI
<i>Law</i>	MR. SHAW
<i>Medicine</i>	MR. WEIMER
<i>Ministry</i>	MR. PRESTON
<i>Nursing</i>	MR. WEIMER
<i>Radio and Drama</i>	MR. DRINNON
<i>Recreational Leadership</i>	MR. KNIGHT
<i>Social Work</i>	MR. SHOUP
<i>Veterinary Medicine</i>	MR. WEIMER

FOR SPECIAL SERVICES

<i>Fellowships and Scholarships</i>	MR. SANDERCOX
<i>Foreign Students</i>	MR. MCKENZIE
<i>Gans Fund Grants</i>	MR. WEIMER
<i>Graduate Fellowships and Scholarships</i>	MR. SANDERCOX
<i>Honors Program</i>	MR. TAYLOR
<i>Ministerial Training Awards</i>	MR. WALTERS
<i>Selective Service</i>	MISS GORDON
<i>Social and Recreational Activities</i>	MISS NICHOLSON
<i>Vocational Information and Guidance</i>	MR. SANDERCOX

GENERAL ORGANIZATION OF THE CURRICULUM
AND INSTRUCTION

As a general understanding, students in the freshman and sophomore years should enroll for courses contributing to their general education and/or those which should serve as "tool" subjects. Such courses are numbered from 100 to 299. Usually a student completes many of the specific course requirements for graduation in the first two years and becomes familiar with the different fields of knowledge. He should also discover, with the aid of his counselor, the area in which he possesses most interest and ability. A general survey examination (Sophomore Comprehensive Examination) is given at the end of the sophomore year, the results of which are used for educational guidance.

A large part of the student's program in the junior and senior years will center on the Field of Concentration and its related area and the student's program will be directed by a Senior Counselor who is in charge of the chosen Field of Concentration. The core subject of the Field may be confined to the work of a single department, or may embrace work in two or more departments. The work is planned and administered as a unit under the direction of the Counselor.

As far as possible in the last two years the student's work is library and laboratory centered. Extensive reading, problems, and seminars are regular procedures. The development of an ability to form thoughtful judgment and evaluations, the "attitude of the searcher," and sustained intellectual interests, are a part of the instructional aims at this level.

FIELD OF CONCENTRATION

A large part of the student's program in the last two years will center on the field of concentration and its related fields. The core subject of the field may be confined to the work of a single department, or may embrace work in two or more departments. The work is planned and administered as a unit under the direction of the Faculty Counselor.

REQUIREMENTS FOR DEGREES

Bethany College confers, at formal graduation exercises, upon students who have satisfied all appropriate requirements and have maintained high standards of character, the degrees of Bachelor of Arts or Bachelor of Science.

RESIDENCE

Four years are usually required to satisfy the course and residence requirements for the baccalaureate degree. Students of superior ability may complete the requirements in less time. As a minimum, the senior year or the last two semesters before entering a professional school must be spent in residence at the College (see "Combination Courses," p. 76). Not more than nine semester hours may be obtained in other undergraduate collegiate institutions for the fulfillment of the work of the senior year, except as stipulated under "Combination Courses."

SEMESTER HOURS

Candidates for either of the baccalaureate degrees are required to complete a total of 126 semester hours of academic work. Of this number:

- a. at least 96 must be of "C" grade or better;
- b. not more than 42 may be in any one Field of Concentration;
- c. not more than 8 may be in applied courses in any of the following Departments, nor more than 4 in any of the others, except that these limitations may be exceeded if the total in all Departments is not more than 12 or if each hour in excess of the maximum is matched by 2 hours of historical or theoretical courses in the same Department: Art, Education, Journalism, Music, Physical Education (exclusive of required activity courses), or Speech and Dramatics;
- d. not more than 65 may be transferred from institutions of junior college standing;
- e. in the case of candidates for the Bachelor of Science degree, at least 40 must be in courses in Biology, Chemistry, Mathematics, Physics, or Psychology, at least 25 of these at upper division level.

QUALITY POINTS

At least 252 quality points are required for graduation. At least 80 of these must be earned in courses numbered 300-499. Quality

points are awarded on the basis of final grades received. In computing quality points, the following values are used for each semester hour of credit: A=4 quality points, B=3, C=2, and D=1 quality point.

DISTRIBUTION OF COURSES

Candidates for graduation are required to complete certain courses which have been designated by the faculty as basic for general education.

The following specific requirements must be met by all candidates for the baccalaureate degree:

- * 6 semester hours in English composition.
- * 6 semester hours in Religion 101-102, or equivalent courses.
- * 12 semester hours elected from the following sciences:
Biology, Physical Science, Mathematics, Chemistry, or Physics.
The total must include at least 6 semester hours in each of two sciences. Students whose field of concentration is in the Physical Sciences and Engineering may not elect Physical Science 201-202.
- * 12 semester hours in Social Science.
In the freshman or sophomore year all students must take Social Science 101-102. 6 additional hours may be elected from courses in Anthropology, Economics, History, Political Science or Sociology, or Social Science 442.
- * 12 semester hours in The Arts and Humanities.
Included in Arts and Humanities must be 3 hours of Fine Arts 201-202, and 3 semester hours in literature. Six additional hours may be elected from English literature; foreign literature; music; art.
- * 6 semester hours in one of the following:
Psychology or Philosophy.
- * 6 semester hours in Physical Education, i. e., two hours in personal hygiene (or Biology 101) and four hours in activities courses.
- * Students who have anticipated the subject matter courses prescribed for the baccalaureate degrees, may make application to the Committee on Admission and Academic Review to take an achievement test. If the result of this test indicates sufficient mastery of the subject, the necessity to take the prescribed course will be waived. Passing the achievement tests will not give credit in semester hours toward the degree.

Foreign Language Requirement:

A reading knowledge is required in one of the modern languages offered at the College or one approved by the Committee on Admission and Academic Review. This requirement may be satisfied by the completion of the second year course in the language at the college level, or by written and oral examinations given under the direction of the Department of Foreign Languages.

FIELD OF CONCENTRATION

Each student should select a Field of Concentration not later than after three semesters of resident academic work. The determination of the Field of Concentration cannot be delayed beyond the fourth semester without the possibility of extra academic courses being necessary for graduation.

Each student will have the help and direction of a Senior Counselor in planning his course of study in the Field of Concentration, but the following specific requirements must be followed:

- (a) In core subjects of the Field of Concentration, at least 24 semester hours must be completed but not more than 42 semester hours will be counted toward degree requirements. At least 12 semester hours in core subjects must be in courses numbered 300-499. Grades earned in core subjects must meet a minimum requirement of cumulative scholarship index of 2.00.
- (b) At least 12 semester hours must be completed in an area related to the core subject.

The Senior Counselor will determine specific course requirements within the Field of Concentration and must approve the related subjects.

The Field of Concentration which a student elects determines specific requirements for the student, not only of work to be done in the field selected, but courses to be completed in other departments. The general outline of the requirements for each Field of Concentration is listed in the Curriculum section of this bulletin that outlines the courses offered. Modifications may be made to meet the needs of the individual student.

SENIOR COMPREHENSIVE EXAMINATION

A comprehensive examination, both written and oral, is required of each candidate for a degree at Bethany College. It is intended to cover the total range of the student's academic preparation. This examination is given under the direction of the Senior Counselor in charge of the Field of Concentration with the assistance of a faculty committee appointed by the Dean of the Faculty. Portions of the Graduate Record Examination will constitute a part of the Comprehensive Examination. A student failing the comprehensive examination shall be considered as failing to meet the requirements for graduation and shall not be graduated.

Comprehensive examinations are regularly given once each academic year. Students who fail to pass the comprehensive examination shall, upon payment of a suitable fee, with the permission of the Committee on Admission and Academic Review, and approval of the Senior Counselor, be given a second opportunity only

at the end of any subsequent year. Further opportunity to take this examination shall be given by special vote of the faculty.

A student desiring to take a comprehensive examination in a second Field of Concentration may do so provided the Senior Counselors concerned and the Committee on Admission and Academic Review approve, and the student shall have paid the fee required for a special comprehensive examination.

GRADUATE RECORD EXAMINATION

Students are required to take the Graduate Record Examination during the senior year. The record on this examination will be needed by students seeking admission to graduate and professional schools. The results may be considered in the awarding of graduation honors. Portions of this examination will constitute a part of the Senior Comprehensive Examination. Charges for this examination are included in the graduation and diploma fee.

COMBINATION COURSES

Special arrangements have been approved by the faculty under which students who have completed three years of work at the College may transfer to specifically approved institutions for engineering or nursing training and be eligible for graduation at Bethany on satisfactory completion of their undergraduate training at the cooperating institution.

By special arrangement with the School of Engineering, Columbia University, Bethany offers the first three years of a five year course for engineering students and arranges for the qualified student to transfer for the last two years. Upon completion of this five year program the student will receive a bachelor's degree from Bethany College and from Columbia University.

Arrangements have been approved whereby Bethany students upon the completion of three years of satisfactory work in the College or ninety semester hours of work, exclusive of required physical education courses, with an approved distribution of courses, may transfer to approved university schools of nursing and upon the satisfactory completion of training may receive the Bachelor of Science Degree from Bethany College and the Diploma in Nursing from the School of Nursing. The student Nurse's Registry Certificate is to be filed with the Registrar before graduation is confirmed.

SUMMER SCHOOL

Credit will be given for a limited amount of work done in the summer session of another approved college or university provided the courses taken are appropriate to the liberal arts curriculum and the grades earned are entirely satisfactory. Permission for summer study must be secured in advance from the Registrar.

EDUCATION FOR RESPONSIBLE CITIZENSHIP

The college has provided a program in training for active citizenship through the generous support of the Maurice and Laura Falk Foundation of Pittsburgh. This program is intended to lift politics to the level of deliberate awareness throughout the student body, and to give training to a few select liberal arts and pre-professional students in the nature and art of politics at local, state and federal governmental levels in preparation for responsible citizenship irrespective of the vocations which these young people will enter.

This is accomplished through a series of summer internships in practical politics and administration which sends a selected group of students who have completed substantial training in the political sciences to the offices of party headquarters, legislators, various administrative offices and legislative reference bureaus for a period of six weeks during the summer. Most of these assignments are at the state and local levels. The internships program is a natural outgrowth of solid teaching in political science courses.

The citizenship training program also embraces a series of planned visits to the campus by political individuals and groups for workshops and seminars and as guest lecturers in related classes. Political science field trips to the national capital and at least one state capital are scheduled each year as part of a study of the governmental process.

JUNIOR YEAR ABROAD

Under proper supervision and direction, specially qualified students may secure credit for work completed in a foreign college or university. To be eligible for study abroad, the student ordinarily must have an average grade of "B" or better in his or her work for three semesters.

Any student wishing to avail himself of this opportunity must present his request in writing to the faculty committee on International Education. The student must have the approval of the Head of the Department, or his counselor, and must satisfy the Committee on International Education with respect to his academic qualifications, potential profit in a particular foreign study program, the status of his graduation requirements, as well as certain other information.

Information on foreign study can be secured from the Chairman of the Faculty Committee on International Education.

SEMESTER IN WASHINGTON

Arrangements have been made for one or two advanced students in history, political science, economics or sociology to pursue studies in these fields under the direction of the American Univer-

sity in Washington, D. C. A student participating in this plan will take six to nine hours in regular academic work and six to nine hours in the study of government supervised by Bethany College and American University. Participants in the program must be recommended by the Senior Counselor and have the approval of the Committee on Admission and Academic Review.

THE BETHANY HONORS PROGRAM

The faculty of Bethany College believes that every student should be educated to his utmost capacity. To meet the special needs of the superior student, Bethany College has instituted an Honors Program.

ADMISSION TO THE HONORS PROGRAM

Any student of sophomore or junior standing, whose cumulative grade-point average is at least 3.0 may apply for admission to the Honors Program. Other students may apply if their applications are supported by the recommendation of at least one member of the faculty.

Applications for admission to the Honors Program will be acted on by the Honors Program Advisory Committee, consisting of the Dean of the Faculty, the Chairman of the faculty committee on Honors, and the Director of the Honors Program after consultation with the counselor. The appropriate application forms may be obtained from the Registrar, and the completed application should be submitted through the Registrar.

HONORS SEMINARS

Once a student enters the Honors Program, he embarks upon a course of study somewhat different from that pursued by the other students. The principal means of achieving the purpose of this program is the Honors Seminar. During his participation in the program the student will be a part of one such seminar each semester. The seminars represent all the principal areas of the arts and sciences. This means that the Honors student is privileged to pursue work in the major disciplines, in classes that are limited to 15 students.

GRADUATION REQUIREMENTS IN THE HONORS PROGRAM

Students participating in the Honors Program are required to satisfy college graduation requirements and, in addition, must participate in the program of Honors Seminars. Normally, students will enter the program at the beginning of the sophomore year. In no case, however, may a student enter the program later than the beginning of his junior year.

FACULTY-STUDENT TEAMWORK

One of the most important aspects of the Honors Program in general and the Honors Seminars in particular, is that several members of the faculty work as a team in conducting the seminars, where the students are regarded as junior colleagues, engaged with faculty members in a common search for truth. The Seminars provide an integrated approach to understanding and a practical demonstration of the fact that all disciplines in a liberal arts college have a common goal.

PRIVILEGES OF STUDENTS IN THE HONORS PROGRAM

Honors students may audit any course at the College without payment of the auditing fee. They may elect as many as 21 hours of courses in a semester without special permission. They may take advanced courses without special permission and without the usual prerequisites except in those cases where the Head of the Department rules that this exemption shall not apply. They have preference in the offering of courses of Independent Study and departmental Honors Courses.

ACADEMIC COUNSELING OF STUDENTS IN THE HONORS PROGRAM

After the Honors Student has worked out a program of studies with his advisor, he will submit it to the Director of the Honors Program for discussion and approval.

PARTICIPATION IN THE HONORS PROGRAM BY STUDENTS IN DEPARTMENT HONOR COURSES

Students participating in departmental honors programs who are not members of the Honors Program may enter honors seminars related to their departmental studies upon the recommendation of the head of their department and with the approval of the Director of the Honors Program.

WITHDRAWAL OR REMOVAL FROM THE HONORS PROGRAM

A student may withdraw from the Honors Program by presenting a written request to the Honors Program Advisory Committee. The request will be recorded by the Committee and forwarded to the Registrar. The Committee also is authorized to remove any student from the Honors Program whose performance is unsatisfactory.

THE FUTURE OF THE HONORS STUDENT

Bethany College assumes that many talented students will go to a university or a professional school for graduate training. The Honors Program is designed to assist in their preparation for further

study, and they are encouraged to apply for the fellowships and scholarships available to outstanding college graduates.

ACADEMIC REGULATIONS

STUDENT'S SCHEDULE

A student ordinarily carries fifteen or sixteen credit hours of academic work each semester, but it is possible for a student to carry additional credit hours with the permission of his faculty counselor and the Dean of the Faculty. It is ordinarily expected that no student will carry more than eighteen credit hours in any one semester unless approval has been granted by the Committee on Admission and Academic Review.

COURSE CHANGE

Any course changes should be made within ten days after registration. At other times a change can be made in courses or schedule with the consent of the student's counselor, the Dean of the Faculty, and the instructors concerned. After the first ten days it is possible for a student to secure permission to drop a course only if the counselor and the Dean feel that the best interests of the student will be served by such procedure.

CLASS ABSENCES

Students are expected to attend all class and appropriate laboratory meetings of a course and to participate in all outside activities that are a part of the course. According to faculty ruling the following uniform system has been adopted to be used in connection with class absences.

1. Attendance for each class will be reported daily to the Office of the Registrar.
2. Freshmen and students on probation will be held strictly accountable for attendance at every class meeting. Excused absences are granted only in the event of serious personal or family emergencies, or authorized college events. A bi-weekly list of excused absences is issued by the Office of the Dean of Students.
3. For upperclass students not on probation, the demands of each course and the progress of the individual student will be the governing factors in class attendance requirements. *Any student who jeopardizes his progress by avoidable absences may be placed on probation. In the event of continued disregard for this understanding, he will be dismissed from college.*

4. No check will be made of the class attendance of those students who maintain a quality point average of 3.5.
5. If a student's total absences, *both excused and unexcused*, exceed one-fourth of a course, the instructor may report a grade of WF, dropping the student from the course.

PENALTY FOR LATE REGISTRATION

Students in attendance during any semester should register on the opening day of the following semester, if they desire to continue their work. A charge is made for each day of delay in registration. Class absences will be counted against the student for all days missed because of late registration. This rule does not relate to students entering for their first semester.

WITHDRAWAL

An honorable dismissal will be granted to any student in good standing and not subject to discipline, who may desire to withdraw from the College, if he has satisfied his counselor and a responsible officer of the College that there is a good reason to justify such action. Students asking to withdraw should present such a request to the Dean of Students in writing with a statement of approval from parent or guardian. The recommendation of the Dean of Students will next be presented to the Business Manager and then to the Registrar for final record. No withdrawal will be considered complete until this procedure has been carried out.

FINAL EXAMINATIONS

All students are required to take the final examination in each course for which they are registered. Students who are taking the Senior Comprehensive Examination are excused from final examinations in all courses of the semester in which the comprehensive examination is taken.

SPECIAL EXAMINATIONS

A student justifiably absent from a final examination or a test given in connection with the regular class work, with the consent of the instructor and approval of the Dean of the Faculty, may be permitted to take a special test without payment of fee. Fees for special examinations must be paid at the Business Office before the examinations are taken and the proper receipt must be presented to the instructor at the time of the examination and, later, shown by the instructor to the Registrar together with the grade given the student.

GRADING SYSTEM

The standing of a student in any course pursued is reported by letter. The meaning of the letters and the number of quality points earned per semester hour is as follows:

- A. Excellent. Four quality points; denotes work of unusual merit.
- B. Good. Three quality points; indicates appreciation and grasp of the subject that is distinctly above the average.
- C. Satisfactory. Two quality points.
- D. Inferior. One quality point; work below the average. It shows a lack of application or of ability to grasp the subject matter.
- Con. This abbreviation denotes conditional failure. The student is granted the privilege of taking an examination to remove the condition or, in case of a continuous course, it may be automatically removed if the student makes a grade of "C" or better the following semester. Failure to do so within the following semester will result in the grade being changed to "F." Regardless of the manner of removing the condition, no grade higher than "D" will be allowed.
- Inc. This abbreviation denotes work not completed as a result of sickness or some other justifiable reason. An incomplete mark should be removed by the end of the fourth week in the following semester, unless an extension of time is granted by the Dean of the Faculty. It is not possible for a student to remove an incomplete mark after twelve months.
- F. Failure. No quality points; denotes work that is definitely unsatisfactory and the course not passed.
- W. Withdrawn.
- WF. No quality points; indicates a course dropped with permission after the fifth week of the semester with student failing at the time of withdrawal. A grade of WF has the same effect on the student's grade-point average as an F.

A report of the scholastic standing of students is received at the Office of the Registrar at mid-semester in addition to the final semester reports. These reports are sent to the faculty counselor and to parents or guardian of each student.

CLASSIFICATION OF STUDENTS

The classification of students is determined according to the following plan: For sophomore rank a student must have at least twenty-five hours of academic credit and fifty quality points. Admission to the upper division or full junior standing is conditioned upon the student's having at least sixty hours of academic credit and one hundred and twenty quality points; and he must have

passed the Sophomore Comprehensive Examination. For senior class rank the student must have at least ninety-four hours of academic credit and one hundred and eighty-eight quality points.

No student is considered as a candidate for the baccalaureate degree until he has been granted senior classification, until he has filed an Application to take the Senior Comprehensive Examination in the Field of Concentration, and until he has filed an Application for a Degree.

PROBATION

The term "on probation" is applied to students who are allowed to continue in college after having failed to meet the standards expected by the faculty and administration. Students may be placed on probation for any of the following causes, or a combination of them.

a) Unsatisfactory scholastic record during the semester or preceding semesters.

The following academic bases will be used to determine "probation" each semester:

Freshmen must achieve a cumulative grade of at least 1.8; and Sophomores, Juniors and Seniors a grade index of at least 2.

b) Unsatisfactory class attendance during the semester or preceding semester.

c) Unsatisfactory deportment at any time.

"Probation" is intended to be a serious warning to the student and to the parents or guardians, that the student's record is unsatisfactory and that unless significant improvement is made the student may be asked to withdraw from the college. The Committee on Admission and Academic Review may dismiss any student if, in its judgment, the student is not likely to meet the requirements for graduation in the usual period of four years. An extension of the four-year period shall be granted only when there are unusual extenuating circumstances.

Students on probation may be declared ineligible for participation in athletic or other student activities. While on probation a student is not eligible to receive any grant from college scholarship or loan funds. A student on probation may not have or operate an automobile in the Bethany community.

TRANSFER OF RECORDS

Students wishing to transfer from Bethany College to another institution should request the Registrar to send an official transcript of record and notice of honorable dismissal. The request should be made *at least one week before the transcript is needed*. One transcript is furnished for each student without charge; for each

additional transcript a fee of \$1.50 is charged, which fee must accompany the request. All financial obligations to the college must be paid before a transcript can be issued.

CHANGES IN REGULATIONS

The College reserves the right to amend the regulations covering the granting of degrees, the courses of study and the conduct of students. *Membership in Bethany College and the receiving of a degree are privileges, not rights.*

The College reserves the right, and the student concedes to the College the right, to require the withdrawal of any student at any time without explanation.

INVALIDATION OF CREDITS

Courses completed either in Bethany College or elsewhere, more than ten calendar years before the date of proposed graduation, will not be accepted for credit toward graduation. All candidates are expected to comply with the requirements for degree in effect at the time of acceptance of the application for degree. With the approval of the Committee on Admission and Academic Review and the payment of the required fee the candidate may take examinations, as administered by the various departments, for courses included in the current curriculum, to re-instate academic credit that may have been declared not valid because of date.

CURRICULUM

ART

AIMS

To present to the student a variety of studio problems to develop his artistic potential; to offer a comprehensive survey of the historic development of the visual arts; and to provide a center which possesses an atmosphere that encourages the student to acquire standards of evaluation and practice in the appreciation and application of the plastic arts.

REQUIREMENTS FOR FIELD OF CONCENTRATION

To concentrate in the field, Art 241 and 242 are required, plus a total of four studio courses, (12 hrs.) from numbers 301 to 306 and three historical courses (9 hrs.) from numbers 325 to 340.

Bethany College Art Department reserves the right to keep as many as three works by each student from each class. These works will be added to a Collection of Student Art and will be used to enhance the campus.

ART 241 BEGINNING DRAWING AND COLOR (3 hrs.) Basic course work in the theories and practice of two-dimensional design. This gives the student a fundamental view of past and present visual expression. Media includes charcoal, pencil, tempera paint, ink, brush, construction paper, and others. Open to all students. 1 hr. lecture; 5 hrs. studio work.

ART 242 BEGINNING SCULPTURE (3 hrs.) Creative expression in, and theories of three-dimensional design. Attempts, through work with solid forms and volumes, to establish a basis for evaluation of sculpture and three-dimensional design both past and present. Open to all students. 1 hr. lecture; 5 hrs. studio work. Prerequisite for Art majors only: Art 241.

ART 301 CERAMICS (3 hrs.) Basic techniques of designing, building and glazing ceramics. Individual projects carried on according to students ability. Prerequisite for Art majors only; Art 242.

ART 302 DRAWING (3 hrs.) Concentrated activity in academic drawing using a variety of drawing media. Primary emphasis will be placed on the still life, landscape and the human form. Prerequisite for Art majors only: Art 241.

ART 303 OIL PAINTING (3 hrs.) Basic techniques using still life, landscape and the human form as the subject. Prerequisite for Art majors only: Art 241 and 302.

ART 304 SCULPTURE (3 hrs.) Creative expression in three-dimensional forms. Students will work with materials that are readily available and easily handled, such as wood, wire, plaster and clay. Prerequisite for Art majors only: Art 242.

ART 305 LETTERING (2 hrs.) A studio course dealing with typographical design and basic commercial art; fundamental skills in lettering and composition. Prerequisite for Art majors only: Art 241.

ART 306 WATERCOLOR PAINTING (3 hrs.) Basic techniques using still life and landscape as the subject. Prerequisite for Art majors only: Art 241 and 302.

ART 325 ORIENTAL ART (3 hrs.) A study of the traditional art forms found in Far Eastern Asia and Japan. Not offered in 1965-66.

ART 326 ITALIAN RENAISSANCE ART (3 hrs.) The Italian Renaissance as reflected in painting and sculpture from the 14th to the 16th centuries.

ART 327 ART OF THE AMERICAS (3 hrs.) A survey of Pre-Columbian art throughout the Western Hemisphere. Emphasis is placed on the Central Mexican Plateau and the Maya cultures. Not offered in 1965-66.

ART 328 GREEK ART (3 hrs.) The Golden Age of Greece as reflected through sculpture, architecture and pottery.

ART 329 ART OF TODAY (3 hrs.) The development of art since Cezanne and Van Gogh, with an emphasis on Cubism, Expressionism and later developments. Not offered in 1965-66.

ART 330 IMPRESSIONISM AND POST-IMPRESSIONISM (3 hrs.) A survey of late 18th and 19th century European painting and the subsequent French schools. Not offered in 1965-66.

ART 342 ELEMENTARY TEACHERS WORKSHOP (2 hrs.) A workshop dealing with materials and projects for children of elementary grade age levels.

ART 477-478 SENIOR SEMINAR (1 hr.) Required of all students concentrating in the field. A survey of Art for review and interpretation of the particular problems of this field.

ART 480 METHODS AND MATERIALS OF TEACHING ART (3 hrs.) Methods materials and techniques pertinent to the teaching of Art in the high school.

ART 481-482 ART PRACTICUM (1 to 4 hrs.) An art theory course emphasizing the function and use of museums, collections and temporary exhibitions. The group will make one or more field trips per semester. Expenses must be met by students participating. Prerequisite: One Art History course or permission of the instructor. Preference will be given to Art majors.

ART 487-488 INDEPENDENT STUDY (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. Selection is to be made by the student according to interests and needs, subject to approval of the instructor.

ART 491-492 HONORS COURSE (1 to 3 hrs.) Designed for seniors of superior ability and achievement, who are concentrating in Art.

FINE ARTS

AIMS

The Department of Fine Arts is not a separate faculty; it draws upon the faculties and curricula of the Departments of Art, Music, Philosophy, and Speech and Drama. Its aims are to give expression to the aesthetic unity of the various forms and modes of art, and to permit students to pursue a non-professional interest in these fields.

REQUIREMENTS FOR FIELD OF CONCENTRATION

All students concentrating in Fine Arts must take Fine Arts 201-202; Art 241 or Art 242; Speech 301; Music 101 or Music 143; Philosophy 377; and Fine Arts 478. In addition, at least eight courses must be elected from at least two of the following categories, with an emphasis (five courses) in one of the categories. At least four of these eight courses must be in courses 300 or above.

1. Art: advance art studio and art history courses.
2. Music: music theory and music literature courses.
3. Speech and Drama: basic speech courses and advanced drama courses.

Students electing this field of concentration would also normally be expected to participate extra-curricularly in at least some of the performing and practicing activities in the area of emphasis.

A student concentrating in Fine Arts may elect a related field in another Department, or in Art, Music, or Speech and Drama. In the latter case, however, the related field may not be the same as the area of emphasis, and the same courses may not be used in satisfying the requirements both for the field of concentration and for the related field.

Students primarily interested in Art or Music should also consult the sections of this catalogue dealing with the fields of concentration in those Departments.

FINE ARTS 201-202 INTRODUCTION TO THE ARTS (3 hrs.) An introduction to the elements of the graphic and plastic arts and music and to the organization of these elements in works of art through the examination of representative master works of Western art from all ages. Consideration is given also to aesthetic functions and values. The sequence is chronological, the first semester extending to mid-18th century, the second, from that point to the present.

FINE ARTS 478. SEMINAR IN FINE ARTS (2 hrs.) Required of and limited to seniors concentrating in the field of Fine Arts. The student will enroll for this seminar with the major professor of his area of emphasis.

ASTRONOMY

ASTRONOMY 101 or 102 (3 hrs.) A course in descriptive astronomy. This non-technical course in beginning astronomy includes such topics as the solar system, satellites, eclipses, constellations, the galactic system, and exterior systems. Offered in alternate years; not offered in 1965-1966.

COMMUNICATIONS

AIMS

The Field of Concentration in Communications is not the responsibility of a separate faculty, but draws upon the faculties and curricula of the Departments of English, Journalism, Speech and Drama. Its aims are to help students integrate oral and written forms of communication in an inter-disciplinary approach and to enable them to develop an understanding and a philosophy of communication in a liberal education setting.

REQUIREMENTS FOR FIELD OF CONCENTRATION

All students concentrating in Communications must take English 306, Speech 201, Speech 302, Journalism 201, and Philosophy 365. Students are required to complete a minimum of 12 semester hours of English beyond English 103, and at least 24 hours in Journalism and Speech-Drama. The courses in Journalism and Speech-Drama must include at least 12 hours of advanced courses and a sequence distribution of 15 hours in one of these two fields and nine hours in the other.

Recommended sequences for students interested in particular areas of specialization include:

Theater: English 204-205, English 331, English 352, English 402-403, Speech 301, Speech 365, Speech 366, Speech 401, Journ. 304, Journ. 315.

Mass Media: English 204-205, English 303, English 340, English 350; Journalism 303-304-305, Speech 202, Speech 301.

Informational Positions in Education, Government, and Business, or Advertising-Public Relations Work with specialized agencies: English 204-205, English 303, English 340, English 350, Journalism 303-304-305, Journalism 315, Journalism 326, Speech 202.

Students electing a field of concentration in Communications would also be expected to participate extra-curricularly in at least some of the performing and practicing activities in the area of emphasis, such as the theater, student publications, and radio.

BIOLOGY

REQUIREMENTS FOR FIELD OF CONCENTRATION IN BIOLOGY

A minimum of twenty-four semester hours in the department. A minimum of twelve semester hours of chemistry, at least four of which are organic chemistry, is desirable. German or French should be elected to meet the graduation requirement for foreign languages.

Students who plan to teach or become professional biologists should elect the following sequence of courses: Biology 101-102, 201, 203, 228, 328, 343, 365, 367, 399, 425, 442 and 478.

Students preparing for work in medicine, dentistry, nursing or as laboratory technicians should elect the following sequence of courses: Biology 101-102, 201, 203, 343, 367, 440, 442 and 478.

Sequence of courses subject to approval of the Senior Counselor.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN PRE-MEDICAL TRAINING

A minimum of twenty hours in the Department of Chemistry which must include Chemistry 101 or 102, and 301-302; sixteen hours of biology, which must include Biology 101 or 102 and 201; and eight hours in Physics. Sequence of courses subject to approval of the Senior Counselor.

BIOL. 101-102 GENERAL BIOLOGY (3 hrs.) The fundamental structures and life processes of plants and animals including man, and their important interrelationships.

BIOL. 155 INTRODUCTIONS TO APPLIED MICROBIOLOGY (2 hrs.) An introduction to the study of micro-organisms and their relation to medicine, surgery, and public health. Discussion and laboratory work.

BIOL. 167 INTRODUCTION TO MAMMALIAN ANATOMY AND PHYSIOLOGY (3 hrs.) Mammalian anatomy as exemplified in the cat. Discussion and study of the functioning of the tissues and organ systems of the human body. Laboratory study of the anatomy of the cat, and human physiology. Discussions, demonstrations, and individual laboratory work. Registration restricted to students preparing for nursing and majors in physical education or by permission of Head of Department. Offered in alternate years.

BIOL. 201 COMPARATIVE VERTEBRATE ANATOMY (4 hrs.) Comparative anatomy of the representative forms of vertebrates; laboratory study of the comparative anatomy of the shark, some lower vertebrates and cat. Prerequisite: Biology 101-102. Required of all pre-medical students.

BIOL. 203 GENERAL GENETICS. A synthesis of basic principles and modern molecular theory. Facility with simple mathematics is highly desirable. Prerequisite Biology 101-102.

ECOLOGY. 225 or 226 (3 hrs.) A study of the general principles of bioecology of plants and animals. Considerable time will be spent in the field. Special emphasis will be placed on field study of one particular community.

BIOL. 228 FIELD BOTANY. The identification of plants from the field using keys. Morphology and botanical terms will be covered to the extent that the keys can be used successfully. Prerequisite: Biology 101-102 or a course in biology at secondary school level.

BIOL. 230 OUR OUTDOORS (1 hr.) Field study of man's natural environment from the standpoint of geology and biology. Estimated cost of the course to the student exclusive of tuition, including field trips, food and incidentals: \$5.00 to \$8.00. Enrollment limited to fifteen. Not open to freshmen.

BIOL. 328. ADVANCED GENERAL BOTANY (3 hrs.) The structural relationships of various type forms of the plant kingdom together with a study of the fundamental life processes of plants; growth, irritability, food synthesis and metabolism. Prerequisite: Biology 101-102. Not offered 1965-1966.

BIOL. 343 BACTERIOLOGY (3 hrs.) Morphology and physiology of yeasts and bacteria; principles of laboratory technique; cultural characteristics and environment influences on bacterial growth.

BIOL. 365 INVERTEBRATE ZOOLOGY (3 hrs.) The invertebrate animal including phylogeny and morphology. A laboratory study of representative forms of invertebrates will be made. Prerequisite: Biology 101-102.

BIOL. 367 or 368 ANATOMY AND PHYSIOLOGY OF THE CELLS (3 hrs.) An introduction to the structural organization and the important aspects of cell physiology in the light of modern biochemistry and biophysics.

BIOL. 399 or 400. JUNIOR SEMINAR IN BIOLOGY (1 hr.) An introduction to the fields of Biology and to biological literature and research. A required course for those students of junior standing whose Field of Concentration is Biology.

BIOL. 402 MARINE BIOLOGY (4 to 6 hrs.) Credit may be given for summer courses taken at the Marine Biological Station at Woods Hole, Massachusetts, or at any other station of similar rank.

BIOL. 425 PHYSIOLOGY (3 hrs.) Structure and functions of the human body; the mechanism of bodily movements, responses, reactions, and various physiological states. Prerequisites: Biology 101-102 and 201. Not offered 1965-1966.

BIOL. 440 HISTOLOGY (3 hrs.) Structure of the cell and its modification into various tissues with special attention to the theory and practice of general histological techniques. Prerequisites: Biology 101-102 and 201.

BIOL. 442. VERTEBRATE EMBRYOLOGY (4 hrs.) Nature and development of the tissues and organs in vertebrates; embryos of chick and pig studied in the laboratory. Prerequisites: Biology 101-102 and 201.

BIOL. 478 SENIOR SEMINAR IN BIOLOGY (2 hrs.) Current literature relating to investigations in various fields of biology. Prerequisites: Twenty-two credit hours in biology. Open only to students of senior standing. Required for Field of Concentration in Biology.

BIOL. 480 METHODS AND MATERIALS IN TEACHING BIOLOGY (2 hrs.) The aims and methods of teaching biology in the secondary schools. Special attention will be given to general laboratory procedure and technique. Prerequisite: Sixteen hours in the department and upper division rank. Not offered 1965-1966.

BIOL. 487-488 INDEPENDENT STUDY IN BIOLOGY (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. The field of study may be selected by the student interested in Biology, subject to the approval of the Head of the Department, according to interest and future needs.

BIOL. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced theoretical and experimental work in biology; an introduction to research. Prerequisites: Biology 101-102; 201. Enrollment limited to students concentrating in Biology who are seniors of superior ability and achievement. Permission of the Head of the Department required.

CHEMISTRY

AIMS

To contribute to the student's general culture, his understanding of the nature of the physical world and his understanding of the place of chemistry in industrial and business life; to provide experience in the scientific method of reasoning; and to provide students concentrating in this field with a thorough and practical education in chemistry which may be useful in industrial, technical and graduate work.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty-six semester hours in this department including Chemistry 101, 102 and 201 or 114, 301-302, 310, 439-440, 477-478; also Mathematics 201-202 and Physics 101-102. German or French should be elected to meet the graduation requirement for foreign language. The sequence of courses is subject to the approval of the Senior Counselor.

A course of study, designed to conform to the American Chemical Society standards, is required for those students who plan to become professional chemists or plan to enter graduate work in chemistry. Under this plan, in addition to the chemistry, mathematics and physics requirements listed above for a field of concentration in chemistry, Chemistry 450 and 452 plus two additional semesters of other upper division courses in chemistry and two years of German must also be elected. In addition to the German, a year of French is strongly recommended for those students planning to do graduate work. Among the electives, at least 18 semester hours, exclusive of English and modern language requirements, are required in the humanities.

The entering freshman who is interested in chemistry, should be sure to select Chemistry 101, Mathematics 101 or 201, English 101, German 101 or 201, Physical Education 101 and 3 hours of an elective. Programs for subsequent semesters must be decided in conference with the faculty counselor for chemistry.

CHEM. 101-102 GENERAL CHEMISTRY AND INORGANIC QUALITATIVE ANALYSIS (4 hrs.) A study of theoretical and descriptive inorganic chemistry and the principles of qualitative analysis. Laboratory work during the first semester is a systematic qualitative scheme of analysis for the cations and anions and during the second semester it is concerned with selected experiments in basic chemical principles. Prerequisites: Two units of mathematics or concurrently with Mathematics 101-102.

Three lectures and three hours of laboratory per week.

CHEM. 103 INTRODUCTION TO CHEMISTRY (3 hrs.) An introductory course in the principles and applications of inorganic and organic chemistry. It will not count for credit for the science major.

Two lectures and three hours of laboratory per week.

CHEM. 114 INORGANIC CHEMISTRY AND QUANTITATIVE ANALYSIS (7 hrs.) A more advanced study of the topics considered in Chem. 102 in addition to introductory quantitative analysis. The main emphasis in the laboratory work is quantitative analysis. This course may be substituted for both Chem. 102 and Chem. 201. Prerequisite: Chem. 101 or its equivalent.

Five lectures and six hours of laboratory per week.

CHEM. 201 QUANTITATIVE ANALYSIS (4 hrs.) The lectures cover the theory of qualitative and quantitative analysis. Important problem types based on both volumetric and gravimetric analysis are taught as well as those emphasizing the concepts of mass action, solubility product, equilibrium, hydrolysis, ionization, etc. Representative analyses are studied in the laboratory. Prerequisites:

Chemistry 101-102 and Mathematics 101-102.

Two lectures and six hours of laboratory per week.

CHEM. 301-302 ORGANIC CHEMISTRY (4 or 5 hrs.) An introductory course in the study of the organic compounds of carbon, both aliphatic and aromatic, involving a considerable amount of the electronic mechanisms of organic reactions. The laboratory work consists largely of organic preparations. Prerequisites: Chem. 101-102 or Chem. 101-114.

Three lectures and three or six hours of laboratory per week.

CHEM. 310 STOICHIOMETRY (2 hrs.) Problems based on the mass, heat and other energy relationships implicit in chemical reactions. Calculations of equilibrium constants and calculations from equilibrium constants based on the variations in the ionic strength of solutions; also, calculations of redox equilibria. Prerequisite: Chem. 114 or Chem. 201.

Three hours of problem-laboratory sessions per week.

CHEM. 425 ORGANIC QUALITATIVE ANALYSIS (3 hrs.) A course in organic analysis with the emphasis on qualitative analysis. Prerequisites: Chem. 301-302.

One lecture and six hours of laboratory per week.

CHEM. 439-440 PHYSICAL CHEMISTRY (4 or 5 hrs.) A study of theoretical chemistry including the following topics: gaseous state, atomic and molecular forces, crystalline state, physical properties and molecular structure, thermochemistry, thermodynamics, liquid state, solutions of electrolytes and non-electrolytes, chemical equilibria, phase diagrams, chemical kinetics, conductance, electromotive force, ionic equilibria. Prerequisites: Chem. 114 or 201, 301-302, 310; Physics 101-102 and Mathematics 201-202.

Three or four lectures and three hours of laboratory per week.

CHEM. 442 ADVANCED ORGANIC PREPARATIONS (1 or 2 hours) Organic syntheses, individually assigned, of an advanced nature. Prerequisite: Chemistry 301-302.

Three hours or six hours of laboratory per week.

CHEM. 450 ADVANCED INORGANIC CHEMISTRY (3 hrs.) The chemistry of certain elements and their compounds is studied and interpreted on the basis of modern theories of atomic and molecular structure. Prerequisites: Chem. 301-302 and 439-440.

Three hours of lecture per week.

CHEM. 452 INSTRUMENTAL ANALYSIS (2 hrs.) Laboratory practice with specialized instrumentation for obtaining quantitative data

quickly. The operation of these instruments will be taught: infrared, visible, and ultraviolet spectrophotometers; gas and wet column chromatography; polarography, measurements with pH meters, electrometric titrations; use of polarizing microscope and isotope scalers. Prerequisite: Chem. 301-302 and Chem. 439-440.

One three-hour laboratory period plus a one-hour briefing period per week.

CHEM. 460 ADVANCED ORGANIC CHEMISTRY (2 hrs.) The study of selected advanced topics in organic chemistry with emphasis on the mechanisms of organic reactions. Laboratory will be introduced as appropriate and will stress newer techniques both of an instrumental and non-instrumental nature. Prerequisites: Chem. 301-302 and Chem. 439-440.

Two lectures or one lecture and three laboratory hours per week.

CHEM. 470 CHEMICAL THERMODYNAMICS (2 hrs.) A more detailed study of chemical thermodynamics. Prerequisites: Chem. 301-302 and Chem. 439-440.

Two hours of lecture per week.

CHEM. 472 CHEMICAL KINETICS (2 hrs.) A more detailed study of chemical kinetics. Prerequisites: Chem. 301-302 and Chem. 439-440.

Two hours of lecture per week.

CHEM. 477-478 SEMINAR IN CHEMISTRY (1 hr.) A survey of the fields of general, analytical, organic and physical chemistry and an investigation of the current literature relating to research in these areas. Prerequisites: Chem. 101; 102 and 201 or 114; 301-302; 310; 439-440. Required of all students with a Field of Concentration in Chemistry.

CHEM. 487-488 INDEPENDENT STUDY IN CHEMISTRY (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. The field of study may be selected by the student subject to the approval of the Head of the Department, according to interest and future needs.

CHEM. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced theoretical and experimental work in chemistry; an introduction to research. Enrollment is limited to seniors of superior ability and achievement. Permission of the Head of the Department is required.

ECONOMICS

AIMS

The courses are intended to provide students with background for better understanding of current economic and social problems, and thus prepare them for intelligent citizenship; to train students for effective work in business, industry, or government; and to lay a solid foundation for graduate study and teaching in the field.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the Department, including Economics 201-202; 265 or 267-268; six hours selected from 301-302 and 441; and 478. Additional courses should be selected by the student, with the advice of the Department Head, in accordance with the student's special interest and his career orientation. A student must attain a grade of at least C in Economics 201 and 202 before he may enter the field of concentration in Economics. Math. 101-102 is strongly recommended. Calculus is strongly recommended for those planning on doing graduate work.

ECON. 126 PERSONAL FINANCE (2 hrs.) Checking accounts, charge accounts, installment buying, planning a budget, financing a home, investing in securities, buying insurance, making a will, starting a business, and other financial problems confronting the college graduate.

ECON. 201-202 PRINCIPLES OF ECONOMICS (3 hrs.) The fundamentals of economics; their application to economic, social and political conditions of today is stressed with the purpose of giving the student the approach to an intelligent outlook on current problems.

ECON. 265-266 INTRODUCTION TO ACCOUNTING (3 hrs.) Principles and methods of accounting for different types of business organizations. This course is an indispensable foundation for general business training.

ECON. 267-268 ELEMENTARY ECONOMIC STATISTICS (2 hrs.) Statistical principles and their practical application in government and business; nature, collection and organization of data; presentation of data in tabular and graphic form; the various averages; measures of dispersion; construction and use of index numbers; and measurement of correlation.

ECON. 301-302 INTERMEDIATE ECONOMY THEORY (3 hrs.) An advanced survey of the elements of economic theory, primarily for students concentrating in Economics. First semester: price determination, income distribution, and resource allocation, under conditions of competition, monopoly, and monopolistic competition; second semester: the theory of national income and employment determination, business cycles, inflation, economic stagnation, and economic growth. Prerequisite: Economics 201-202.

ECON. 303 EUROPEAN ECONOMIC HISTORY (3 hrs.) A survey of the economic development of Europe from the pre-industrial era to the present, with emphasis on the forces that have contributed to modern-day Europe. Offered irregularly.

ECON. 304 AMERICAN ECONOMIC HISTORY (3 hrs.) A study of the historical growth and institutional character of the United States economy from the colonial period to the present day. Offered in alternate years. (See History 303)

ECON. 320 PRINCIPLES OF MARKETING AND DISTRIBUTION (3 hrs.) The marketing function of the manufacturer, wholesaler, jobber, retailer, mail-order house, chain store and other marketing institutions; cost of distribution; problems of marketing management and planning; modern trends in marketing. Offered in alternate years.

ECON. 325 PRINCIPLES OF BUSINESS FINANCE (3 hrs.) Planning financial requirements for business firms. Financing current operations and long term needs. Investment institutions; how leaders and investors evaluate business. Corporate securities. Offered in alternate years.

ECON. 329 MONEY, CREDIT AND BANKING (3 hrs.) The principles of monetary and banking theory as they exist at present and a survey of banking practices; intended to give a thorough understanding of contemporary money, credit and banking problems. Prerequisite: Economics 201-202.

ECON. 331. INTERNATIONAL TRADE AND FINANCE (3 hrs.) The principles of international trade and finance and their application to the modern world; the theory of comparative advantage; exchange rates, monetary standards, and international financial institutions; tariffs and commercial policy; capital movements; aid to underdeveloped countries. Prerequisite: Economics 201-202.

ECON. 361 QUANTITATIVE ANALYSIS (3 hrs.) A course designed to introduce the student to the techniques of differential and integral calculus and matrix algebra with emphasis on their application to economic analysis. A thorough knowledge of high school algebra and plain geometry or a college level course in mathematics is assumed. All techniques relating to the calculus and matrix algebra will be developed in the course. This course is recommended for students considering graduate study in economics or business administration. Prerequisite: Economics 201-202.

ECON. 365 DATA PROCESSING AND THE ACCOUNTING SYSTEM (2 hrs.) A study of the principles and application of equipment used in processing data with emphasis on Managerial Accounting. Interpretation of financial data and the application of accounting in the various fields of Economics and the other quantitative disciplines. Approval of the instructor required. Offered in alternate years.

ECON. 368 BUSINESS CYCLES AND FORECASTING (3 hrs.) A course designed to analyze the nature, characteristics, and measurement of business cycles; the problem and techniques of forecasting business conditions, and consideration of policies for developing economic stability within the economy. Prerequisite: Economics 201-202.

ECON. 375 THE ECONOMICS OF GROWTH AND DEVELOPMENT (3 hrs.) A seminar in theories of the economic development of technologically backward countries. Students will have an opportunity to apply analytical tools to specific countries in Asia, Africa and Latin America.

ECON. 425 PUBLIC FINANCE (3 hrs.) A survey of the principles of government finance combined with a thorough study of the federal tax system. Offered in alternate years. Prerequisite: Economics 201.

ECON. 427 BUSINESS AND GOVERNMENT (3 hrs.) A course designed to analyze the role and scope of government activity in the economy, which includes the historical evolution of this role, as well as a study of current techniques and administrative problems. Offered in alternate years.

ECON. 431 LABOR ECONOMICS (3 hrs.) A general course in labor economics and industrial relations; employment and unemployment; wages, hours, and productivity; history and objectives of organized labor; managerial labor policies; collective bargaining; current social, economic, and political aspects of labor-management relations.

ECON. 432 MANAGERIAL ECONOMICS (3 hrs.) The study of the sources, types, and uses of economic information and the application of economic theory to the problem of business decision making. Emphasis is placed on profit objectives, the measurement and forecasting of demand and costs, and capital budgeting. Prerequisite: Economics 201-202. Offered in alternate years.

ECON. 441 HISTORY OF ECONOMIC THOUGHT (3 hrs.) Outstanding writers and their ideas are studied in relation to the conditions that led to important changes and developments in economic thinking; current trends of thought. Recommended to non-economics majors.

ECON. 444 COMPARATIVE ECONOMIC SYSTEMS (3 hrs.) The theoretical systems of capitalism and Marxian and non-Marxian socialism; actual economic systems exemplifying these theoretical modes, studied in terms of their historical evolution. Recommended to non-economics majors.

ECON. 478 SEMINAR IN ECONOMICS (2 hrs.) Economic problems are studied on an advanced level for the purpose of supplementing and correlating work done in other courses. Occasional special lectures and field trips, expenses to be met by the participating students. Open only to seniors concentrating in the Department.

ECON 487-488 INDEPENDENT STUDY IN ECONOMICS (1 to 3 hrs.) Designed for students who desire to do independent study in some special field. The field of study may be selected by the student subject to the approval of the Head of the Department, according to interest and future needs. Enrollment is limited to any juniors or seniors who have special interest in the field.

ECON. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced projects and minor research studies. Readings, conferences and reports on a field of special interest. Enrollment limited to seniors of superior ability and achievement concentrating in this field. Permission of the Head of the Department required.

EDUCATION

AIMS

This department believes that the successful teacher is one who has a thorough preparation in the Liberal Arts. The department seeks to develop in students a wholesome and intelligent attitude toward public education; to cultivate thinking about

problems in education; and to integrate its work with that of other departments in a well-rounded liberal and professional education of prospective elementary and secondary teachers.

REQUIREMENTS FOR FIELD OF CONCENTRATION

ELEMENTARY EDUCATION — A minimum of twenty-four hours in the Department of Education; a minimum of six hours in Psychology. Sequence of courses is subject to the approval of the Education Department Senior Counselor. Ed. 142 and 201 should be completed by the end of the sophomore year. A "C" average must be attained in these two courses for admission to subsequent professional education courses.

SECONDARY EDUCATION — A field of concentration is not offered in secondary education as such. Students preparing to teach in the secondary schools are required to select one or two academic fields of concentration, in conjunction with which they may elect the *area* of secondary education. The usual fields for which Bethany College prepares junior and senior high school teachers are art, English, health and physical education, languages, mathematics, music, the sciences, social studies, and speech. Various combinations are sometimes advisable. Ed. 141 and 202 and the course in Special Methods of Teaching applicable to the student's major teaching field should be completed by the end of the junior year. A "C" average must be attained in Ed. 141 and 202 for admission to subsequent professional education courses.

FIELD EXPERIENCES — Leadership of children and youth groups, e.g., summer camp, scouts, church school, playground supervision, etc., are highly recommended for students planning to teach. Exploratory teaching activities are provided in several education courses. "September experience" in a school in the student's home community is arranged prior to student teaching.

Curriculum requirements for both elementary and secondary education are now being revised to meet new accreditation standards, and are therefore subject to change.

ADMISSION TO TEACHER EDUCATION

Students who are interested in elementary or secondary teaching must confer with the Head of the Department of Education preferably during the freshman year, but *not later* than the completion of the sophomore year. Anyone not adhering to this recommendation should plan to take more than the 126 hours required for graduation.

A written application for admission to the elementary or secondary professional education program must be submitted to the Education Department on forms obtained from the Department.

Students are expected to apply for admission to the program by the end of the sophomore year.

Applicants are appraised by the Teacher Education Review Committee with respect to academic achievement, emotional and physical fitness, personality traits, and other factors the committee considers essential to a teaching career. In some cases the Committee may suggest programs to overcome certain deficiencies; in others it may recommend that the student not prepare for teaching. Anyone doubtful of his qualifications for teaching might find it advantageous to apply before registering for his first education course.

The Teacher Education Review Committee may review a student's qualifications at any time and issue appropriate recommendations. The general qualifications of all students are reviewed by the Committee at the time they apply for student teaching.

BLOCK OF PROFESSIONAL PREPARATION

Each student pursuing a curriculum in teacher education will take a full semester of professional courses, including student teaching, during the *first* semester of the senior year. This is designated as the PROFESSIONAL BLOCK. Requirements for admission to the PROFESSIONAL BLOCK are as follows:

PREREQUISITES — Students should have satisfied all prerequisites to Education 443 or 475 that precede the professional block program. Prerequisites cannot be deferred until after student teaching or taken at another institution without *written* permission of the Department of Education.

ELEMENTARY EDUCATION—A student must have a general "C" average in all academic work, and a "C" average in professional (Education) courses taken prior to the time he is admitted to the PROFESSIONAL BLOCK.

SECONDARY EDUCATION—A student must have a general "C" average in all academic work, a "C" average in at least one teaching field (Music excepted) and a "C" average in professional education courses taken prior to the PROFESSIONAL BLOCK.

APPLICATION FOR STUDENT TEACHING—Students are required to make application for student teaching during the second semester of the junior year. This application requests the recommendation of the student's Senior Counselor and requires the approval of the Head of the Department of Education. Applications will not be accepted from students not previously admitted to teacher education, as explained above.

THE PROFESSIONAL BLOCK PROGRAMS

ELEMENTARY EDUCATION: First Semester, *Senior Year*

Education 301	4 wks.	2 periods daily	3 hrs. credit
Education 346	7 wks.	1-2 periods daily	3 hrs. credit
Psychology 332	8 wks.	1 period daily	3 hrs. credit
Education 443	16 wks.	Student teaching and seminar	
			6 hrs. credit

TOTAL.....15 hrs.

SECONDARY EDUCATION: First Semester, *Senior Year*

Education 301	4 wks.	2 periods daily	3 hrs. credit
Education 328	5 wks.	2 periods daily	3 hrs. credit
Psychology 332	9 wks.	1 period daily	3 hrs. credit
Education 475	16 wks.	Student teaching and seminar	
			6 hrs. credit

TOTAL.....15 hrs.

Students will not be permitted to schedule courses in conflict with the *block* during the semester they are enrolled in it, or carry extracurricular activities which will interfere with the requirements imposed by the *block*. Any exception to the above must be approved by the Heads of the Departments concerned and by the Dean of the Faculty. Students should *not* register for more than 16 hours of academic work, including student teaching, during the semester in which they are enrolled in the PROFESSIONAL BLOCK.

Students may be required to live in the community to which they are assigned for student teaching. Additional expense for off-campus living, transportation, and meals might total about \$150 — partly offset by some reimbursement of board fees by the college.

NATIONAL TEACHER EXAMINATIONS

All seniors in teacher education programs are required to take the National Teacher Examinations before graduation. Arrangements will be made by the Education Department.

ED. 141 INTRODUCTION TO EDUCATION (3 hrs.) (School and Society) A survey of the aims, procedures, organization, and support of public education in the United States. Designed to acquaint the student with the needs of the schools, the opportunities for employment, and professional problems. *Required for field of concentration or secondary area in teacher education.* Should be taken in freshman or sophomore year as a foundation for other professional education courses.

ED. 142 PRINCIPLES AND CURRICULUM OF ELEMENTARY EDUCATION (3 hrs.) Teaching and learning principles which affect planning for the development and education of the child through the first six grades, with an overview of curriculum as it affects the various levels in the elementary program. Planning with children and parents, teaching in the classroom and the community, organizing appropriate activities and materials, and reporting the child's progress to parents.

ED. 201-202 HUMAN GROWTH AND DEVELOPMENT (3 hrs.) The understanding and appreciation of individual and group development from infancy to adolescence are studied during the first semester, and adolescence and learning theories during the second semester. The type of school which best meets the needs and interests of children and youth is considered. Observation and first-hand contacts with children are provided. Freshmen admitted only with instructor's consent.

ED. 301 HISTORY AND PHILOSOPHY OF EDUCATION (3 hrs.) Historical development of modern education, emphasizing the theories and principles of educational philosophers and other leading educators and their impact upon present day theory and practice. Current issues in American education.

ED. 328 PRINCIPLES AND TECHNIQUES OF SECONDARY EDUCATION (3 hrs.) The aims, functions, and curriculum organization of the secondary schools; basic methods, materials and techniques, including evaluation, applicable to modern secondary teaching in junior and senior high schools.

ED. 332 PSYCHOLOGICAL FOUNDATION OF EDUCATION (3 hrs.) See Psychology 332. A study of the application of psychological principles to the field of Education. Included will be the areas of learning, transfer of training, individual difference, motivation, achievement testing, and the language and communication skills as they apply to education.

ED. 335 EDUCATIONAL TESTS, MEASUREMENT AND EVALUATION (3 hrs.) (Psychology 335.) The course will deal mainly with group testing, with attention to the construction and use of standardized and of *ad hoc* tests. The necessary correlation techniques will be included. Recommended especially for students in secondary education.

ED. 341 LANGUAGE ARTS (3 hrs.) Teaching the skills of reading, listening, speaking and writing as they relate to the total curriculum throughout the elementary program. Strong emphasis on teaching of reading and the integration of the related areas in language arts. Classroom experience in public school.

ED. 342 CHILDREN'S LITERATURE IN THE ELEMENTARY SCHOOL (3 hrs) Includes a background of the history of children's literature; familiarity with established and current literature in this area; methods and techniques of using current literature; work with story-telling groups.

ED. 345 SKILLS AND CONTENT METHODS IN ELEMENTARY AREA (3 hrs.) Emphasis on arithmetical skills, including the understanding of fundamental processes; comparison of different philosophies in teaching arithmetic; elements of modern mathematics; practical application of arithmetical skills at all levels of the curriculum. Classroom experience in public school.

ED. 346 SKILLS AND CONTENT METHODS IN ELEMENTARY AREA (3 hrs.) Emphasis on science and social studies including history and geography as approached through the unit study method. Planning the curriculum to bring about understanding of these areas in relation to living in our society.

ED. 365 AUDIO-VISUAL EDUCATION (2 hrs.) Selection and effective utilization of visual and auditory materials and equipment including pictures, slides, motion pictures, television, recordings, and programmed materials. Laboratory experiences with audio-visual materials and equipment. Students who have not completed any professional education courses admitted only with the instructor's consent.

ED. 443 OBSERVATION AND DIRECTED TEACHING IN ELEMENTARY EDUCATION (6 hrs.) Observation and full-time teaching at both primary and intermediate levels for an eight-week period, distributed to include a minimum of 200 clock hours of direct teaching responsibilities. Students are required to submit an application for permission to take this course prior to advance registration. Students

should not register' for more than sixteen hours of academic work, including student teaching, during the semester that this course is carried. Prerequisite: Education 141, 142, 201-202, and required methods courses in elementary education; concurrent enrollment in Education 301, 346, and Psychology 332.

ED. 475 OBSERVATION AND DIRECTED TEACHING IN SECONDARY EDUCATION (6 hrs.) Observation and full-time teaching in public secondary schools; participation in school activities; acquaintance with the role of teachers and principals in administration of the high schools. *Seminar is required throughout the semester.* Students are required to make application for permission to take this course prior to advance registration. Students should not register for more than sixteen semester hours of academic work including student teaching during the semester that the course is carried. Prerequisite: Education 141, 202, and 480; concurrent enrollment in Education 301, 328, and Psychology 332.

ED. 480 SPECIAL METHODS IN TEACHING (2 or 3 hrs.) See courses offered in several departments, viz:

Art 480

Biology 480

Chemistry 480

English 480

Foreign Languages 480

Mathematics 480

Music 479, 480

Physical Education 464, 480

Physics 480

Social Science 480 (see page 119)

ED. 487-488 INDEPENDENT STUDY IN EDUCATION (1 to 3 hrs.) Designed for those students who plan to teach and desire to do independent study in some particular area. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

ENGLISH

AIMS

To teach students to write effectively and to understand the structure of the English language; to provide them with a knowledge of major literary works; to provide them with standards for the intelligent evaluation of literature.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the department in courses numbered above 206. The following must be included: 227-228; 306; 340-341; 391; 485-486. Three hours must be selected from each of the following groups: 325 through 332; 401 through 404. Two hours of 487-488, to be devoted to preparation of the Senior Essay, must also be included. Some of these requirements may be adapted to fit the needs of individual students.

The following courses in other departments should be elected if possible: History 201-202 and 325; Philosophy 201, 202 and 378. French or German should be elected to meet the graduation requirement in Foreign Language.

ENG. 103 FRESHMAN COMPOSITION (4 hrs.) Training in the fundamental of expository writing; introduction to the development and structure of the English language; instruction in the preparation of research papers. Offered every semester. NOTE: Students who complete this course with a grade of C or above will be exempt from English 201-202 and will have satisfied the graduation requirement in English Composition.

ENG. 141-142 ADVANCED FRESHMAN COMPOSITION (1 hr.) Freshmen of superior ability and achievement will be recommended for this course by the Head of the Department. Intensive practice in critical writing, with emphasis upon the achievement of clarity and grace in composition. Reading of approximately ten works of fiction and non-fiction during the year will provide a basis for writing and discussion. NOTE: Students who complete both semesters of this course with a grade of C or above will have satisfied the graduation requirement in English Composition.

ENG. 201-202 EXPOSITORY WRITING (1 hr.) A course required for sophomores or juniors who need additional training in composition beyond the freshman level. Intensive practice in writing with emphasis upon the achievement of correct and effective expression. NOTE: Students who complete English 201 with a grade of C or above will be exempt from English 202 and will have satisfied the graduation requirement in English Composition. Not offered in 1965-66.

ENG. 205-206 INTRODUCTION TO LITERATURE (3 hrs.) Study of several types of literature. Readings are selected from American, British, and foreign works. First semester: drama and the short story. Second semester: poetry and longer fiction. Designed for students whose field of concentration is not English.

ENG. 207 CLASSIC MYTHOLOGY (1 hr.) Study of Greek and Roman myths and their use in Western literature.

ENG. 227-228 BRITISH LITERATURE (3 hrs.) Chronological study of major British writers and literary trends from the beginnings to the present.

ENG. 303 CREATIVE WRITING (3 hrs.) Intensive practice in the writing of shorter forms of imaginative prose with emphasis upon the achievement of literary excellence. Individual assignments and frequent conferences with the instructor. Students must consult with the instructor before registering for the course.

ENG. 304 ADVANCED CREATIVE WRITING (3 hrs.) A course for writers of superior ability and achievement who wish to produce longer forms of imaginative prose. Individual assignments and frequent conferences with the instructor. Prerequisite: English 303 and consent of the instructor.

ENG. 306 THE ENGLISH LANGUAGE (3 hrs.) Study of the development of English pronunciation, vocabulary, and grammar from Anglo-Saxon to the present.

ENG. 325 THE RENAISSANCE, 1485-1660 (3 hrs.) Study of the major poetry and prose of the period, exclusive of the plays of Shakespeare. Offered in alternate years. Not offered in 1965-66.

ENG. 326 THE NEO-CLASSIC AGE, 1660-1740 (3 hrs.) Study of the major writers of the period. Offered in alternate years.

ENG. 327 THE AGE OF JOHNSON, 1740-1800 (3 hrs.) Study of the major writers of the period. Offered in alternate years.

ENG. 328. THE ROMANTIC PERIOD, 1800-1850 (3 hrs.) Study of the major prose and poetry of the period. Offered in alternate years. Not offered in 1965-66.

ENG. 329 THE VICTORIAN PERIOD, 1850-1900 (3 hrs.) Study of the major poetry and prose of the period. Offered in alternate years. Not offered in 1965-66.

ENG. 330 MODERN POETRY (3 hrs.) Study of the major British and American poets during the present century. Offered in alternate years.

ENG. 331 MODERN DRAMA (3 hrs.) Study of the major playwrights in England and America during the present century.

ENG. 332 MODERN FICTION (3 hrs.) Study of the major novelists and short story writers in England and America during the present century. Offered in alternate years. Not offered in 1965-66.

ENG. 340-341 MAJOR AMERICAN WRITERS (3 hrs.) Study of the major American writers of the nineteenth and twentieth centuries.

ENG. 350-351 THE NOVEL (3 hrs.) Study of the development of the novel from the eighteenth century to the present. Approximately twelve novels will be read each semester.

ENG. 352 BRITISH DRAMA (3 hrs.) Study of the development of drama, exclusive of Shakespeare, from the beginnings through the nineteenth century. Offered in alternate years.

ENG. 354 CLASSICAL LITERATURE IN TRANSLATION (3 hrs.) Study of Greek and Latin epics and drama, with some attention to works in English which have been influenced by classical literature.

ENG. 355 EUROPEAN LITERATURE IN TRANSLATION (3 hrs.) Study of some of the major European novelists and playwrights, with emphasis upon Russian literature. The period covered extends from the Renaissance to the present. The course emphasizes the theme and content of individual works rather than the development of literary types or national literatures.

ENG. 391 LITERARY CRITICISM (3 hrs.) Study of the value and function of criticism and of various critical approaches to literature from Aristotle to the present. Practical criticism and analysis of poetry and prose.

ENG. 401 CHAUCER (3 hrs.) Study of the major poems; some attention to the minor poems and to Chaucer's contemporaries. Offered in alternate years.

ENG. 402-403 SHAKESPEARE (3 hrs.) Study of the major plays; some attention to the non-dramatic poems.

ENG. 404 MILTON (3 hrs.) Study of the major poems; some attention to the prose and to Milton's influence on English literature. Offered in alternate years. Not offered in 1965-66.

ENG. 480 METHODS OF TEACHING ENGLISH (3 hrs.) Study of the methods and materials used in the teaching of English in secondary schools, with emphasis upon grammar and composition. Offered in alternate years. Not offered in 1965-66.

ENG. 481 SPECIAL TOPICS IN LITERATURE (2 hrs.) A seminar for the intensive study of a single writer, theme, type, or movement. The topic will vary from semester to semester. Prerequisite: six hours in English above the freshman level. May be repeated for credit. Offered irregularly.

ENG. 483 STUDIES IN THE AMERICAN NOVEL (3 hrs.) A seminar for the study of significant American novelists. The topic will vary from semester to semester. During 1965-66, the work of William Faulkner will be studied.

ENG. 485-486 SENIOR SEMINAR (1 hr.) Intensive reading and research to supplement and correlate the work of other courses.

ENG. 487-488 INDEPENDENT STUDY (1-3 hrs.) Independent work in an area of special interest. The plan of study must be outlined by the student and approved by the Head of the Department before registration. May be repeated for credit.

ENG. 491-492 HONORS (1-3 hrs.) Advanced independent research in an area of special interest. Open only to superior students. Students may register for this course only upon recommendation by the Head of the Department. May be repeated for credit.

FOREIGN LANGUAGES

AIMS

To introduce students to the language, literature and culture of France, Germany and the Spanish-speaking countries; to provide training in reading facilities for students who are interested in scientific or historical study requiring a foreign language as a "tool subject"; and to give adequate training in language, literature and expression to students who are preparing to be teachers, translators, or representatives in foreign service.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN FRENCH, GERMAN, OR SPANISH

A minimum of twenty-four hours in the language, not including French 101-102, German 101-102 or Spanish 101-102,

with eighteen hours of advanced courses. A reading knowledge of one foreign language other than the one chosen as the field of concentration. Students expecting to teach a foreign language must complete Foreign Languages 480. Foreign Languages 425 is required in each field. History 301 and 302 are recommended. Sequence of courses subject to approval of the Senior Counselor.

Any student planning to teach a foreign language in secondary school or in elementary school should have his field of concentration in this department and should plan to secure his minimum professional education requirements for certification either at Bethany or elsewhere.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN FOREIGN LANGUAGES

A minimum of eighteen hours in advanced courses in French, German or Spanish; at least six hours advanced courses in a second language; reading knowledge of the third; Foreign Languages 425. Sequence of courses subject to approval of the Senior Counselor.

FRENCH

FR. 101-102 FIRST YEAR FRENCH (3 hrs.) Fundamentals of grammar, pronunciation and composition. Emphasis on audio-lingual approach to develop basic skills of comprehension, speaking, writing, and reading. Two hours' laboratory work per week in addition to three hours' classroom work. Course is intended for students who have no acquaintance with the language and is not open to students who have had previous instruction in French. Not more than six hours credit can be earned in 101-102 and 103-104.

FR. 103-104 FIRST YEAR FRENCH (REVIEW) (3 hrs.) A review of the fundamentals of grammar, pronunciation and composition for students who have studied French before but who do not make a high enough score on the entrance placement test to admit them to French 201-202. Two hours' laboratory work per week in addition to three hours' classroom work. Not more than six hours credit can be earned in 101-102 and 103-104

FR. 201-202 INTERMEDIATE FRENCH (3 hrs.) Grammar review, composition, dictation, intensive and extensive reading. Two hours' laboratory work per week in addition to three hours' classroom work. Prerequisite: French 101-102 or a satisfactory standing in an achievement test.

FR. 301-302 CONVERSATION AND COMPOSITION (3 hrs.) Prose, composition, syntax and phonetics; dictation, conversation, recordings. Prerequisite: French 201-202 or permission of the Head of the Department. Offered in alternate years. Not offered in 1965-66.

FR. 303-304 THE NOVEL (3 hrs) The French novel from its beginning to the twentieth century. Conducted in French. Prerequisite: A reading knowledge of French. Offered in alternate years.

FR. 325-326 MODERN DRAMA (3 hrs.) French drama since the seventeenth century. Conducted in French. Prerequisite: A reading knowledge of French. Offered irregularly.

FR. 327-328 HISTORY OF FRENCH LITERATURE (3 hrs.) Survey of French literature from the early periods to the present time. Readings in French from an anthology. Conducted in French. Prerequisite: A reading knowledge of French. Not offered in 1965-66.

FR. 425 SEVENTEENTH CENTURY DRAMA (3 hrs.) Study of the plays of Corneille, Racine, and Moliere, as representative of the classical spirit in France. Conducted in French. Prerequisite: A reading knowledge of French; French 327-328 recommended. Offered in alternate years. Not offered in 1965-66.

GERMAN

GER. 101-102 FIRST YEAR GERMAN (3 hrs.) Fundamentals of pronunciation, grammar, reading and composition. Emphasis on audio-lingual approach to develop basic skills of comprehension, speaking, writing, and reading. Two hours' laboratory work per week in addition to three hours' classroom work. For students who have no acquaintance with the language.

GER. 201-202 INTERMEDIATE GERMAN (3 hrs.) Grammar review, composition, dictation, intensive and extensive reading. Two hours' laboratory work per week in addition to three hours' classroom work. Special emphasis on outside reading in student's field of concentration. Prerequisite: German 101-102, or equivalent.

GER. 301-302 CONVERSATION AND COMPOSITION (3 hrs.) Practical conversation, study of syntax, prose, composition and dictation. Wire recording. Registration with the permission of the Head of the Department. Offered in alternate years. Not offered in 1965-66.

GER. 303-304 NINETEENTH CENTURY (3 hrs.) Reading and critical study of the nineteenth century, especially Kleist, Hebbel, Heine, Keller; special emphasis on the drama and the Romantic School. Outside readings and reports. Conducted in German. Prerequisite: A reading knowledge of German. Offered in alternate years. Not offered in 1965-66.

GER. 327-328 HISTORY OF GERMAN LITERATURE IN ENGLISH (3 hrs.) German literature from the Hildebrandslied to the twentieth century. Conducted in English. A reading knowledge of German is desirable, but not essential. Offered irregularly.

GER. 427-428 EIGHTEENTH CENTURY LITERATURE (3 hrs.) Readings from the works of Lessing, Goethe and Schiller. Conducted in German. Prerequisite: A reading knowledge of German. Outside reading and reports. Offered irregularly.

GREEK

Students wishing to study Greek language and literature should enroll in FOREIGN LANGUAGE 487-488. See also, RELIGION 211-212 and 411-412, BEGINNING and INTERMEDIATE NEW TESTAMENT GREEK.

LATIN

Students wishing to study Latin language and literature should enroll in FOREIGN LANGUAGE 487-488.

SPANISH

SPAN. 101-102 FIRST YEAR SPANISH (3 hrs.) Fundamentals of pronunciation, grammar, reading and composition. Emphasis on audio-lingual approach to develop basic skills of comprehension, speaking, writing, and reading. Two hours' laboratory work per week in addition to three hours' classroom work. For students who have no acquaintance with the language. Not open to students who have had previous instruction in Spanish. Not more than six hours credit total can be earned by any combination of 101-102 and 103-104.

SPAN. 103-104 FIRST YEAR SPANISH (REVIEW) (3 hrs.) A review of the fundamentals of grammar, pronunciation and composition for students who have studied Spanish before but who do not make a high enough score on the entrance placement test to admit them to Spanish 201-202. Two hours' laboratory work per

week in addition to three hours' classroom work. Not more than six hours credit can be earned by any combination of 101-102 and 103-104.

SPAN. 201-202 INTERMEDIATE SPANISH (3 hrs.) Grammar, oral work and reading. Practice in dictation, writing and speaking. Reading of modern prose and plays. Two hours' laboratory work per week in addition to three hours' classroom work. Prerequisite: Spanish 101-102 or equivalent.

SPAN. 301 CONVERSATION (3 hrs.) Conversation, dictation, recordings and composition. Prerequisite: Spanish 201-202 or equivalent.

SPAN. 312 ADVANCED COMPOSITION AND CONVERSATION (3 hrs.) Special attention to Latin American civilization. Particular emphasis on business and commercial Spanish. Prerequisite: Spanish 201-202, 301 or equivalent.

SPAN. 327-328 SURVEY OF SPANISH LITERATURE (3 hrs.) A general survey of Spanish and Spanish-American literature. Literary masterpieces by representative authors of the classical period, the nineteenth century and contemporary literature. Lectures, readings, and reports. Prerequisite: Spanish 201-202 or permission of the Head of the Department. Offered in alternate years.

SPAN. 427-428 SPANISH LITERATURE IN THE NINETEENTH CENTURY (3 hrs.) Development of the drama and novel of the nineteenth century through works of such dramatists as Los Quinteros and Benavente and such novelists as Alarcon, Pereda, Perez, Galdos and Palacio Valdes. Conducted in Spanish. Prerequisite: A reading knowledge of Spanish. Not offered in 1965-66.

FOREIGN LANGUAGES

F.L. 425 LINGUISTIC DEVELOPMENT OF LANGUAGES (3 hrs.) An introduction to historical, structural and applied linguistics. The development of English, French, German and Spanish from the Indo-European to modern times. Special emphasis on current developments in linguistics and semantics. Required of all majors in the department. Open to other students with the permission of the Head of the Department. Offered in alternate years.

F.L. 450 FOREIGN AREA STUDY (6 hrs.) The Bethany College European Seminar. Independent Study in Europe during summer in various fields of The Liberal Arts, e.g., Art, Architecture, Lan-

guages, Literature, History, Comparative Education. Written Reports; Lectures at Foreign Universities; Study of Cultural, Historical Monuments under European Faculty. Registration for credit optional.

F.L. 478 SEMINAR (3 hrs.) Intensive, integrated study in field of concentration. Geography, history, government, education, science, press, art and music of French, German or Spanish-speaking countries. Required of students selecting a Field of Concentration in Foreign Languages.

F.L. 480 METHODS AND MATERIALS IN TEACHING FOREIGN LANGUAGES (3 hrs.) Study of methods, classroom materials, extra-curricular activities necessary for the teacher of French, German, or Spanish. Special emphasis on the audio-lingual techniques, applied linguistics and language laboratory.

F.L. 487-488. INDEPENDENT STUDY IN FOREIGN LANGUAGES (1 to 3 hrs.) Designed for those students interested in Foreign Languages who desire to do independent study in some special field. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

F.L. 491-492 HONORS COURSE (1 to 3 hrs.) Minor research studies. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in Foreign Languages who are seniors of superior ability and achievement. Permission of the Head of the Department required.

GEOGRAPHY AND GEOLOGY

GEOG. 201 PRINCIPLES OF GEOGRAPHY (3 hrs.) The general principles of the science including earth origins, the results of the dynamic geological agencies tending to change its surface. Practical work in mineralogy, physiography and stratigraphy is required during the course. Not offered in 1965-66.

GEOG. 302 WORLD GEOGRAPHY (3 hrs.) A study of the physical, social and political geographic factors of the world today. Recent changes in Europe, Asia and Africa will be stressed. Offered in alternate years.

GEOG. 204 HISTORICAL GEOLOGY (3 hrs.) The history of the earth as revealed by its strata. Laboratory and field study of the common fossil and local formations. Not offered in 1965-1966.

HISTORY AND POLITICAL SCIENCE

AIMS

To present the origin and development of institutions and ideas; to point out the great traditions that are molding our thought and action today; and to gain a better perspective of our political, economic, and social life. The courses in Political Science are intended to acquaint the student with the political institutions and political problems in the United States and the world today.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Twelve hours in European or World History, twelve hours in American History, six hours in Political Science, and History 477-478.

EUROPEAN AND WORLD HISTORY

HIST. 101-102 DEVELOPMENT OF WORLD CIVILIZATIONS (3 hrs.) The development of political, social, and cultural institutions from ancient times to the twentieth century, especially as they contribute to an understanding of our own civilization. Assignments dealing with Asia, Africa and Latin America will be included.

HIST. 301-302 MODERN EUROPEAN HISTORY (3 hrs.) A survey of European civilization from the sixteenth century to 1945. Second semester begins with 1815.

HIST. 308 EUROPE FROM 1914 TO 1945 (3 hrs.) A detailed study of political and military history from the beginning of the First World War to the end of the Second World War. Not offered in 1965-66.

HIST. 325 THE HISTORY OF ENGLAND (3 hrs.) English institutions and the English people from the ninth to the early twentieth centuries. Offered in alternate years. Not offered in 1965-66.

HIST. 366 HISTORY AND POLITICS OF ASIA (3 hrs.) A survey of the history, civilization and recent developments in South, East and South-east Asia. Offered in alternate years. Not offered in 1965-66.

HIST. 368 HISTORY OF RUSSIA, U.S.S.R. AND EASTERN EUROPE (3 hrs.) A survey of Russian civilization with emphasis on the Communist regime and its European satellites. Offered in alternate years.

HIST. 369 HISTORY AND POLITICS OF AFRICA AND THE MIDDLE EAST (3 hrs.) A survey of the area. The effect of geography, tribal development and the European impact on the present problems of the area will be studied. Developments since World War II will be emphasized. Offered in alternate years.

HIST. 427 ANCIENT CIVILIZATION (3 hrs.) A history of the Near East, Greece, and Rome to the fourth century A.D. Offered in alternate years.

HIST. 428 THE MIDDLE AGES (3 hrs.) European civilization from the fourth to the fifteenth centuries. Offered in alternate years.

HIST. 429 WORLD HISTORY SINCE 1945 (3 hrs.) A survey of events since the Second World War. Emphasis will be on the development of major movements during the past two decades. Offered in alternate years. Not offered in 1965-66.

HIST. 477-478 SEMINAR IN HISTORY (1 hr.) A study of sources, materials, historical criticism and interpretations of history. Required of all students with a Field of Concentration in History and Political Science.

AMERICAN HISTORY

HIST. 201-202 UNITED STATES HISTORY (3 hrs.) The political, economic and social growth of America. First semester covers the period of exploration to 1865; second semester covers from 1865 to the present day.

HIST. 225 WEST VIRGINIA HISTORY, GOVERNMENT AND GEOGRAPHY (3 hrs.) The history of the western section of Virginia to the Civil War and the history and government of West Virginia to the present day. The physical, political and social geography of the state will be included.

HIST. 303 AMERICAN ECONOMIC HISTORY (3 hrs.) A study of the historical growth and institutional character of the United States economy from the colonial period to the present day. Offered in alternate years. Not offered in 1965-66.

HIST. 341 THE DEVELOPMENT OF THE AMERICAN NATION (3 hrs.) A history of the United States from 1828 to 1860. This course considers the rise of Jacksonian Democracy, the effects of that movement and the coming of the Civil War. Offered in alternate years. Not offered in 1965-66.

HIST. 342 THE AGE OF BIG BUSINESS (3 hrs.) The political, social, and economic history of the United States from 1865 to 1914. Emphasis is placed on the growth of industrialism during this period and the resulting attempts at social reform. Offered in alternate years. Not offered in 1965-66.

HIST. 423 TWENTIETH CENTURY AMERICA (3 hrs.) A study of political, social and economic developments in the United States from Wilson to Roosevelt's third term. Offered in alternate years.

HIST. 424 CONTEMPORARY UNITED STATES HISTORY (3 hrs.) A study of the political, economic, diplomatic and social history of the United States since the Second World War. Offered in alternate years.

HIST. 426 LATIN AMERICAN HISTORY (3 hrs.) A cultural and political history of Central and South America with emphasis on the period since 1890. Offered in alternate years.

HIST. 433 EARLY AMERICA (3 hrs.) A study of the English colonies in America including the Revolutionary War. Offered in alternate years.

HIST. 487-488 INDEPENDENT STUDY IN HISTORY (1 or 2 hrs.) Designed for those students interested in any period or phase of history not covered by a regular course. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

HIST. 491-492 HONORS COURSE (1 or 2 hrs.) Advanced projects and minor research studies in history and political science. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in History who are seniors of superior ability and achievement. Permission of the Head of the Department required.

POLITICAL SCIENCE

POL. SCI. 225 AMERICAN NATIONAL GOVERNMENT (3 hrs.) A study of the principal institutions and processes of the national government. Particular attention is given to the Constitution, the President, Congress, the Supreme Court, and political parties and pressure groups.

POL. SCI. 226 STATE AND LOCAL GOVERNMENT (3 hrs.) A study of the government and politics of states and localities. Attention is given to intergovernmental relations, structure and organization, and functions and problems.

POL. SCI. 327 MODERN POLITICAL THOUGHT (3 hrs.) A survey of political philosophy from Machiavelli to the present. A special effort is made to relate the principal themes in modern political thought to contemporary politics. Offered in alternate years. Not offered in 1965-66.

POL. SCI. 328 COMPARATIVE GOVERNMENT (3 hrs.) A comparative study of the governments of the major powers of Europe, including Great Britain, France, the German Federal Republic, and the Soviet Union. Offered in alternate years. Not offered in 1965-66.

POL. SCI. 339 AMERICAN POLITICAL PARTIES (3 hrs.) A study of major and minor political parties in the United States. Attention is given to the functions, history, structure, tactics, and financing of political parties in a democratic system. Classroom work is supplemented by field work involving observation of party headquarters and political campaigns. Prerequisite: Pol. Sci. 225 or 226 or Hist. 201-202 or consent of the department head.

POL. SCI. 340 PRESSURE GROUPS AND PUBLIC OPINION (3 hrs.) A study of pressure groups and public opinion and their place in American politics. Attention is given to the nature, forms, and significance of pressure groups and public opinion. A special attempt is made to examine the group theory of politics and the manipulation of public opinion. Prerequisite: Pol. Sci. 225 or 226 or Hist. 201-202 or consent of the department head.

POL. SCI. 366 INTERNATIONAL ORGANIZATION (3 hrs.) A study of the principles, purposes, and forms of international organization in the twentieth century. Primary attention is given to the United Nations. Offered in alternate years.

POL. SCI. 401-402 PRACTICA IN POLITICAL SCIENCE (1 hr.) Each practicum involves some limited classroom work and a field trip to the national capital, or the capital of a state. Students observe the daily operations of government, particularly those of the executive and legislative branches. Prerequisite: Pol. Sci. 225 and Pol. Sci. 226 or consent of the department head.

POL. SCI. 465 CONSTITUTIONAL LAW (3 hrs.) A study of the judicial elaboration and interpretation of the U. S. Constitution. A case study approach to the historical development of American constitutional principles. Prerequisite: Pol. Sci. 225 or Hist. 201-2 or consent of the department head. Offered in alternate years.

POL. SCI. 480 INTERNSHIP IN PRACTICAL POLITICS (3 hrs.) Students enrolled in this course work as interns in the offices of political parties or pressure groups for a period of six weeks during the summer months. Open to students only on the basis of special application and selection by a faculty committee.

POL. SCI. 481 SEMINAR FOR INTERNS IN PRACTICAL POLITICS (3 hrs.) A course designed especially for students in the summer intern program. Students present papers based on their summer experience and the instructor supplements this work with additional relevant materials. Required of all students enrolled in Pol. Sci. 480.

POL. SCI. 487-488 INDEPENDENT STUDY IN POLITICAL SCIENCE (1 or 2 hrs.) Individual investigation in some field of government chosen by the student with the approval of the head of the department. Open to students especially interested in government.

SOC. SCI. 480 METHODS AND MATERIALS IN TEACHING SOCIAL STUDIES (2 hrs.) Nature, objectives, and curricula of social studies in junior and senior high schools. Concepts to be emphasized and ways of approaching. Methods, techniques teaching aids and other resources. Resource units, lesson plans, evaluation, teaching reading and study skills.

HONORS

For a description of the aims and requirements of the Honors Program, see p. 78. A student participating in the Honors Program should enroll in the appropriate Honors Seminar each semester.

HONORS 401 *Contemporary Issues in American Thought* (2 hrs.) Primarily for sophomores.

HONORS 404 *The History and Philosophy of Science* (2 hrs.) Primarily for juniors.

HONORS 406 *Forms, Meanings, and Values in the Arts* (2 hrs.) Primarily for seniors.

HONORS 407 (*Area to be announced later*) (2 hrs.) Primarily for juniors.

HONORS 410 *Universal Themes in Literature* (2 hrs.) Primarily for sophomores.

HONORS 412 *The Shaping of the Modern Mind* (2 hrs.) Primarily for seniors.

JOURNALISM

AIMS

To provide training for students preparing to do newspaper or magazine work, free-lance or professional writing, public relations work, preparation of advertising material, direction of high school or college publications, and teaching.

JOURN. 201 INTRODUCTION TO MASS COMMUNICATIONS (3 hrs.) Philosophy of communications. Role of mass media in modern society.

JOURN. 302 HISTORY OF JOURNALISM (3 hrs.) History of the newspapers, magazines, radio, television. Offered in alternate years.

JOURN. 303 REPORTING (3 hrs.) Techniques and values of news reporting and news writing; emphasis upon learning to write forcefully and distinctively; writing of varied news stories.

JOURN. 304 FEATURES (3 hrs.) Writing special articles for newspapers, magazines and trade journals.

JOURN. 305 COPYREADING AND NEWS-EDITING (3 hrs.) Principles and practices of preparing copy for publication.

JOURN. 315 PRINCIPLES OF PUBLIC RELATIONS (3 hrs.) The function of public relations in modern society, and the principles underlying its successful application.

JOURN. 325 PRINCIPLES OF ADVERTISING (3 hrs.) Principles, study of media, markets and merchandising. Advertising Agencies and personnel. Evaluation of the field.

JOURN. 335 SCHOOL PUBLICATIONS (3 hrs.) Editorial and typographical problems of yearbooks, newspapers, handbooks, magazines, and other material. Laboratory work will include reportorial and editing work on one of the Bethany student publications.

COMM. 402-3 HONORS SEMINAR. Major research project for seniors of superior ability and achievement.

COMM. 480 METHODS AND MATERIALS OF TEACHING COMMUNICATIONS (3 hrs.) Study of methods, classroom materials, co-curricular activities necessary for the teacher of Communications.

JOURN. 487-488 INDEPENDENT STUDY (1 to 3 hrs.) Designed for students who are planning a career in reporting, feature writing, advertising or public relations. A continuation of work already begun, subject to consultation with the Head of Department.

LIBRARY SCIENCE

LIB. SCI. 221 INTRODUCTION TO CATALOGING AND CLASSIFICATION (2 hrs.) Planned to familiarize the prospective library school student with the theory and routines of cataloging and classification. The work is primarily a laboratory course supplemented by classroom lectures. Not offered in 1964-65.

LIB. SCI. 222 INTRODUCTION TO LIBRARY SCIENCE (2 hrs.) Emphasis is placed upon reference, circulation, and bibliographic services. The student is introduced to the public service aspects of the general library and assigned practical problem work to supplement lectures and reading assignments. Not offered in 1964-65.

LIB. SCI. 321 BOOK SELECTION AND ACQUISITION (2 hrs.) Principles of selection and acquisition of books and non-book materials. Appraisal of standard aids in selection, of book reviewing media, and other sources of information used in building library collections.

LIB. SCI. 322 LIBRARY ADMINISTRATION (2 hrs.) A study of the theoretical concepts and practical problems involved in organizing and operating libraries.

LIB. SCI. 487-488 INDEPENDENT STUDY IN LIBRARY SCIENCE (1-3 hrs.) Designed for those students who plan to take graduate work in Library Science. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

MATHEMATICS

AIMS

To provide the general student with a knowledge of the mathematical foundation of our civilization, to give the prospective teacher an understanding and appreciation of the fundamental ideas of elementary mathematics; to provide a tool for the technical student; and to give the prospective graduate student a foundation for later study and research.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MATHEMATICS

A minimum of twenty-four hours in the department, including Mathematics 201-202, and at least twelve hours of advanced courses which should include Mathematics 303-304. Students interested in mathematics as a teaching subject should elect Mathematics 325 and 326. Students interested in science and engineering should elect Mathematics 425 and 428. Students interested in economics should elect Mathematics 327 and 328. Two courses in the department should be taken in the senior year. Sequence of courses subject to approval of the Senior Counselor.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN APPLIED MATHEMATICS

Option I (Physics, and/or Chemistry). A minimum of thirty-three hours with at least eighteen hours in the Department of Mathematics which must include Mathematics 201-202, 425 and 428, and fifteen hours in the Department of Physics and/or Chemistry which should include Physics 301-302, and Chemistry 439-440. Recommended courses include Mathematics 303-304, Physics 303-304, Physics 365-366, and Chemistry 201 or 202, 301-302. Sequence of courses subject to approval of the Senior Counselor.

Option II (Economics). A minimum of thirty-three hours with at least eighteen hours in the Department of Mathematics which must include Mathematics 201-202, 327, 328, and fifteen hours in the Department of Economics which must include Economics 265-266, 325, 329, 425. Recommended courses include Mathematics 303-304 and Economics 365. Sequence of courses subject to approval of the Senior Counselor.

MATH. 101 MATHEMATICAL ANALYSIS (3 hrs.) Plane trigonometry, logarithms and slide rule; linear and quadratic equations; inequalities, progressions and binomial theorem; mathematical induction; analytic geometry of the straight line; determinants. Students enrolling in this course who rank low in the mathematics achievement test for freshmen will be required to attend a special laboratory section until their deficiency is corrected.

MATH. 102 MATHEMATICAL ANALYSIS (3 hrs.) Polar coordinates; DeMoivre's theorem; theory of equations; permutations and combinations; the analytical geometry of second degree curves; quadric surfaces; applications of analytical methods and an introduction to derivative. Prerequisite: Mathematics 101 or three units of mathematics at the secondary school level, including trigonometry and high standing in the mathematics achievement test for freshmen.

MATH. 151 FINITE MATHEMATICS (3 hrs.) Introduction to concepts occurring in modern mathematics. Symbolic logic and truth tables, set theory, vectors and matrix theory, binomial theorem and probability theory, linear programming and game theory. This course includes a review of algebra and is designed especially for the non-science student.

MATH. 191 ADVANCED MATHEMATICAL ANALYSIS (3 hrs.) Review of algebra, logarithms and trigonometric identities. Analytic geometry of the straight line. Set theory, field postulates, inequalities, congruences and Diophantine equations. Progressions, finite differences, mathematical induction. Probability, mean and standard deviation. Delta-process and an introduction to the derivative with applications. This course is designed for Freshmen who rank high in the placement test in addition to four years of high school mathematics including trigonometry.

MATH. 192 ADVANCED MATHEMATICAL ANALYSIS (3 hrs.) Polar coordinates, complex numbers, DeMoivre's theorem. Roots of an equation, Newton's theorem of approximation. Conic sections, translation and rotation of axes. Space coordinates, equation of the plane, quadric surfaces, method of least squares, matrix theory and determinants. Prerequisite: Mathematics 191.

MATH. 201-202 DIFFERENTIAL AND INTEGRAL CALCULUS (3 hrs.) Technique of differentiation and integration with applications and an introduction to infinite series. Prerequisite: Mathematics 101-102 or Mathematics 191-192.

MATH. 226 MATHEMATICS FOR TEACHERS (2 hrs.) A study of the fundamental principles, concepts, and methods of teaching arithmetic. A course designed to acquaint students with the basic mathematics necessary for teaching in the elementary field. Offered in alternate years.

MATH. 241 ENGINEERING DRAWING (3 hrs.) Free-hand lettering; orthographic projection, including sections and auxiliary views; dimensioning; isometric and oblique projections with emphasis on working drawings. Standard symbols and convention. Ink and pencil tracings. Offered in alternate years. Not offered in 1965-1966.

MATH. 242 DESCRIPTIVE GEOMETRY (3 hrs.) Principles of projections; non-metric and metric problems; plane sections and developments; intersections of surfaces; construction of perspective drawings. This course achieves an effective correlation between descriptive and analytic geometry by presenting both the graphic and the algebraic methods. Offered in alternate years. Not offered in 1965-1966.

MATH. 244 PLANE SURVEYING (3 hrs.) Care and use of surveying instruments; field problems; computation and mapping. One hour class and four hours field work each week. Offered in alternate years.

MATH. 303-304 ADVANCED CALCULUS (3 hrs.) Theory of the derivative and the definite integral; partial differentiation and its applications; Green's and Stoke's theorems; power series; Fourier series; vector notation; complex variable. Prerequisite: Mathematics 201-202.

MATH. 325 INTRODUCTION TO HIGHER ALGEBRA (3 hrs.) Theory of equations; solution of cubic, quartic, and numerical equations; congruences and Diophantine equations; complex numbers and an introduction to the fundamental concepts of algebra—class, group, field, number. Prerequisite: Mathematics 201-202. Offered in alternate years.

MATH. 326 INTRODUCTION TO MODERN GEOMETRY (3 hrs.) Euclidean and non-Euclidean geometries; an introduction to synthetic projective geometry; the concept of limit and infinity; geometrical constructions, recent developments and theorems. Prerequisite: Mathematics 201-202. Offered in alternate years.

MATH. 327 MATHEMATICS OF STATISTICS (3 hrs.) Frequency distributions; measures of central tendency; dispersion and correlation; regression equations and the theory of probability. Sampling techniques and applications of the chi-square, t-, and F distributions. Prerequisite: Mathematics 201-202. Offered in alternate years.

MATH. 328 MATHEMATICS OF FINANCE AND INVESTMENT (3 hrs.) The operation of interest and annuities; amortization of debts and sinking funds; valuation of bonds; the experience table and calculation of premiums for life insurance. Prerequisite: Mathematics 101, Economics 201-202.

MATH. 329 SPACE GEOMETRY (3 hrs.) Advanced methods and problems of analytic geometry of two and three dimensions; the general equation of the second degree; poles and polars; quadric surfaces; determinants. This course includes the concepts of elements at infinity, homogeneous coordinates, line coordinates, cross ratio, transformations, and complex elements. Prerequisite: Mathematics 201-202. Offered in alternate years. Not offered in 1965-1966.

MATH. 341 VECTOR ANALYSIS (3 hrs.) Elementary operations, scalar and vector products, gradient, operator, differentiation formulas, divergence and curl, integration, line integral, work and potential, surface integrals, reciprocal systems, general coordinates, applications. Prerequisite: Mathematics 201-202. Offered in alternate years.

MATH. 402 THEORY OF PROBABILITY (3 hrs.) Basic course on the mathematical theory of probability. Combinatorial analysis, binomial coefficients, and Stirling's formula. Poisson distribution, law of large numbers and limit theorems. Offered in alternate years.

MATH. 425 or 426 DIFFERENTIAL EQUATIONS (3 hrs.) Methods of solution of ordinary differential equations and their applications to the physical sciences. Prerequisite: Mathematics 201-202.

MATH. 428 APPLIED MATHEMATICS (3 hrs.) Applications of ordinary and partial differential equations to problems in physics, chemistry and electricity; vibrating string and heat flow problems; vector calculus and applications. Prerequisite: Mathematics 425. Offered in alternate years. Not offered in 1965-1966.

MATH. 477 or 478 SEMINAR IN MATHEMATICS (1 to 3 hrs.) Special reports prepared and presented by the students under supervision. The work of the second semester will help prepare the student for the comprehensive examination. Required of all students concentrating in the Field of Mathematics. Open only to seniors.

MATH. 479 or 480 METHODS AND MATERIALS IN TEACHING MATHEMATICS (2 or 3 hrs.) Approved methods in teaching mathematics at the secondary level; class period activities of the teacher; procedures and devices in teaching; organization of materials, testing, aims, and modern trends. Open only to juniors and seniors who expect to teach. Offered in alternate years. Not offered in 1965-1966.

MATH. 487-488 INDEPENDENT STUDY IN MATHEMATICS (1 to 3 hrs.) Designed for those students especially interested in Mathematics who desire to do independent study in some special field. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

MATH. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced projects and minor research studies. Enrollment limited to students concentrating in Mathematics who are seniors of superior ability and achievement. Permission of the Head of the Department required.

MUSIC

AIMS

To promote understanding and appreciation of works of musical art of generally recognized excellence in relation to cultural conditions of their respective periods through integrated study of music theory, history, literature and performance; to provide the college community with stylistically sound performances of good works; to provide thorough basic training in musicianship on the pre-professional level; to provide a program of study leading to certification in public school music; to provide a program of study leading to the development of skills useful in administering a program of church music.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MUSIC LITERATURE

Students may elect a field of concentration in music literature or in music education. Requirements for concentration in music literature include Music 143-144, 303,304, 343-344, 327-328, twelve hours in the 341-366 sequence, Music 478, and a minimum of ten hours of applied music. Only 2-4 hours of applied music may be in ensemble credit, at the discretion of the Head of the Department.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MUSIC EDUCATION

Requirements for concentration in music education include Music 143-144, 303-304, 327-328, 6 hours in the 341-366 sequence, Music 478, 439, 422, 479, 480, and a minimum of 12 hours in applied music. Four hours of applied music may be in 121-122 class instruments, and 2 hours may be in 125 (ensemble).

All students pursuing a curriculum in music will enroll in Music 125 with or without credit, except for students in the Professional Block semester in Education. All music concentration students are expected to attend college-sponsored musical events.

LITERATURE AND THEORY OF MUSIC

MUS. 101 INTRODUCTION TO MUSIC AS AN ART AND SCIENCE (2 hrs.) The elements of tonal relationships, simple rhythms, intervals, melodies in both major and minor modes; designed to give the student the ability to recognize, reproduce and record simple melodic and rhythmic patterns.

MUS. 143-144 THEORY I, II (3 hrs.) The theoretical subject fields—harmony, keyboard harmony, sight singing, dictation, ear training,—are combined in one interrelated course. A study is made of the primary chords and those secondary chords which are most common in classical literature. Inversions are studied as the need presents itself in writing a smooth bass line. Written work covered by the end of the year will include harmonization of melody and figured bass, use of triads, dominant seventh and ninth chords with inversions, modulations of near-related keys, and harmonic analysis. Sight singing, dictation and ear training help the student clarify and crystallize on paper what he hears. In keyboard harmony melodies are given accompaniments, modulation to all keys by various means, simple transposition. Not offered in 1965-1966.

MUS. 303-304 THEORY III, IV (3 hrs.) The work of the first year is continued but includes ninth chords, secondary sevenths, altered chords. Analysis and keyboard work. In the second semester more emphasis on the study of contrapuntal techniques, written and analyzed. Stylistic analysis of representative masterpieces of all periods. Four hours a week, both semesters.

MUS. 327-328 MUSIC HISTORY (2 hrs.) The historical significance of the main periods and types of music. Requires some technical background.

MUS. 341 SYMPHONIC LITERATURE (3 hrs.) Aural examination and analysis supplemented with collateral reading of the literature of music written for symphony orchestra from mid-18th century until c. 1910. No technical prerequisites, but previous completion of Fine Arts 201 is desirable. Offered in alternate years.

MUS. 342 THE OPERA (3 hrs.) A history of the opera from 1600 to the present with detailed study of a few representative operas in their entirety from recordings and scores. No technical prerequisites, but previous completion of Fine Arts 201 is desirable. Offered in alternate years.

MUS. 343 COUNTERPOINT (2 hrs.) Basic principles of writing two, three, and four-voice counterpoint, and their application in the smaller forms of composition. (Fall Semester). Not offered in 1965-1966.

MUS. 344 ORCHESTRATION (2 hrs.) A course in arranging music for various types of instrumental ensembles. (Spring Semester). Not offered in 1965-1966.

MUS. 365 MUSIC OF THE BAROQUE ERA (3 hrs.) A study, largely aural, of representative works from the 17th and early 18th centuries with special emphasis on Bach and Handel. Collateral historical and biographical reading. Not offered in 1965-1966.

MUS. 366 CONTEMPORARY MUSIC (3 hrs.) Aural study of representative works in various media written since c. 1910. Collateral reading of biographical and critical material. Not offered in 1965-1966.

MUS. 379 HYMNOLOGY (2 hrs.) A survey of the hymn literature of the Protestant Church, with consideration of literary, sociological, and religious forces affecting the creation of hymn poetry and hymn tunes. Not offered in 1965-1966.

MUS. 380 CHURCH MUSIC (2 hrs.) Study of goals, problems, and methods pertinent in the administration of a program of church music. Opportunities for practical experience and the solution of problems in a typical church music program are afforded members of the class. Not offered in 1965-1966.

MUS. 422 INSTRUMENTAL CONDUCTING (2 hrs.) The techniques of the baton and the different problems to be met in conducting orchestra and band; the introduction to score reading; an opportunity for experience through the conducting of the college instrumental groups. Offered only to advanced groups.

MUS. 439 CHORAL CONDUCTING (2 hrs.) The technique of the baton and the different problems to be met in conducting chorus; the introduction to score reading; an opportunity for experience through the conducting of the college choral groups. Offered only to advanced students.

MUS. 478 SEMINAR (1 hr.) Survey and review of the field of music; its history, theory and literature. Required of all students concentrating in the field of Music. Open only to seniors.

MUS. 479 MUSIC EDUCATION (3 hrs.) (Methods and materials of Teaching Music in the Elementary Schools.) Consideration of the aims and values of elementary school music with opportunities to develop teaching techniques, and to become familiar with the standard materials.

MUS. 480 MUSIC EDUCATION (3 hrs.) (Methods and Materials in Teaching Music in the Secondary Schools.) Analysis of music offered in senior and junior high schools throughout the United States. Consideration of problems, objectives and materials in teaching vocal and instrumental music, theory and appreciation courses in secondary schools. Opportunities for developing practical teaching projects.

MUS. 487-488 INDEPENDENT STUDY IN MUSIC (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. The field of study may be selected by the student interested, subject to the approval of the Head of the Department, according to interest in Music and future needs.

MUS. 491-492 HONORS COURSE (1 to 3 hrs.) Projects and minor research studies in special fields of music, or creative work of an advanced nature. Enrollment limited to students concentrating in Music who are seniors of superior ability and achievement. Permission of the Head of the Department required.

APPLIED MUSIC*

MUS. 121a-122a CLASS STRINGS (1 hr.) Class instruction in the basic techniques of stringed instruments. Required of all students with a concentration in Music Education.

MUS. 121b CLASS INSTRUCTION IN BRASS INSTRUMENTS (1 hr.) Required of all students with a concentration in Music Education.

MUS. 122b CLASS INSTRUCTION IN WOODWIND INSTRUMENTS (1 hr.) Required of all students with a concentration in Music Education.

MUS. 125a-126a CONCERT CHOIR (1 hr.) The preparation for concert performance of standard choral literature, both sacred and secular. Membership limited, enrollment by audition.

MUS. 125b-126b MALE CHORUS (1 hr. per year) The study and performance of concert repertoire for male voices. Membership limited; enrollment by audition.

MUS. 125c-126c ORCHESTRAL ENSEMBLE (1 hr. per year) The study and performance of standard orchestral or chamber literature with occasional public performances.

MUS. 125d-126d BRASS CHOIR (1 hr. per year) The study and performance of baroque and contemporary music for brass instruments. Enrollment by audition.

MUS. 125e-126e BAND (1 hr. per year) An ensemble of wind and percussion instruments which plays for festive and athletic events of the college. Enrollment by approval of the director.

MUS. 125f-126f WHEELING SYMPHONY ORCHESTRA (1 hr. per year) Participation in the Wheeling Symphony Orchestra in regular concerts and rehearsals. Enrollment by audition.

MUS. 141a-142a ORGAN (1 or 2 hrs.) Technique, theory and literature of the organ. Open to all students who have had some training in either piano or organ. Private lessons. Enrollment by permission of the instructor.

*Courses in applied music may be repeated for credit.

MUS. 141b-142b PIANO (1 or 2 hrs.) Literature and technique of piano playing designed to develop in the students a discriminating appreciation of fine music and fine musical performance. Private lessons. Enrollment by permission of the instructor.

MUS. 141c-142c STRINGS (1 or 2 hrs.) Private lessons in violin, viola, cello or bass. Course open to beginners as well as to students with previous training. Enrollment by permission of the instructor.

MUS. 141d-142d VOICE (1 or 2 hrs.) Vocal technique, theory and literature. Open to all students who have adequate native ability with or without previous vocal training. Private lessons. Enrollment by permission of the instructor.

MUS. 141e-142e WIND INSTRUMENTS (1 or 2 hrs.) Private lessons in basic brass and woodwind instruments. Open to beginners as well as to students with previous training. Enrollment by permission of the instructor.

MUS. 301a-302a ADVANCED ORGAN (1 or 2 hrs.) Open only to students who can demonstrate satisfactorily their ability to play compositions equivalent in difficulty to the following: Bach—G minor Fugue (The Little); D minor Toccata and Fugue; or Widor—Toccata from Symphony V. Private lessons. Enrollment by permission of the instructor.

MUS. 301b-302b ADVANCED PIANO (1 or 2 hrs.) Open only to more advanced students who can demonstrate satisfactorily their ability to perform compositions equivalent in difficulty to the following: Beethoven Op. 27 No. 2; Bach—Preludes and Fugues Nos. 2 and 21 (Vol. 1) They will be expected to perform in public recitals from time to time. Private lessons. Enrollment by permission of the instructor.

MUS. 301c-302c ADVANCED STRINGS (1 or 2 hrs.) Open only to students who are able to play satisfactorily music equivalent in difficulty to the Kreutzer Études and DeBeriot Concertos for violin. Public performance required. Private lessons. Enrollment by permission of the instructor.

MUS. 301d-302d ADVANCED VOICE (1 or 2 hrs.) Open only to students who have completed four semesters of voice study, can read at sight, have adequate use of at least one modern foreign language, and can demonstrate the ability to perform numbers equivalent in difficulty to standard operatic and lieder literature. Public performance required. Private lessons. Enrollment by permission of the instructor.

PHILOSOPHY

AIMS

To develop independent thinking on the part of the student; to acquaint the student with the great questions and answers of our philosophical heritage; to develop the student's ability to define issues, sustain arguments and evaluate evidence. In short, to teach the student to philosophize; with the hope that, by detailed analysis and disciplined speculation, the student will find the basis for developing an intelligible order in his life.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of twenty-four hours in the department including Philosophy 353-354.

PHIL. 201 INTRODUCTION TO PHILOSOPHY (3 hrs.) An introductory exploration of five or six of the major problems of knowledge, existence, and value, chiefly through an examination of the proposed solutions found in writings of important philosophers ranging from the age of Plato to contemporary times.

PHIL. 202 ETHICS (3 hrs.) The theory of the moral life as developed in the history of western thought and applied to personal and social problems; an analysis of the grounds, principles, and consequences of different ethical theories, as to accuracy, consistency, and the possibility of putting them into practice.

PHIL. 353-354 HISTORY OF PHILOSOPHY (3 hrs.) Western philosophical thought from the Seventh Century B.C. to modern times. The first semester will be devoted to a study of ancient and medieval philosophers. The second semester will begin with the Renaissance.

PHIL. 365 REFLECTIVE THINKING (3 hrs.) Deductive and inductive reasoning; practice in the detection of logical fallacies. Offered in alternate years.

PHIL. 369 SOCIAL PHILOSOPHY (3 hrs.) An inquiry into the structures of order in society and the nature of social process. Special attention to communism, fascism, conservatism, and socialism. Offered in alternate years.

PHIL. 373 PHILOSOPHY OF RELIGION (3 hrs.) An inquiry into the general subject of religion from a philosophical point of view. Offered in alternate years. Not offered in 1965-1966.

PHIL. 378 AESTHETICS (3 hrs.) A consideration of the principal systems of aesthetics; foundations of aesthetic perception and judgment; interpretation of the creative activity of the artists, the work of art, and the contemplation and criticism of art objects; including music and the visual and literary arts. Offered in alternate years. Not offered in 1965-1966.

PHIL. 402 CONTEMPORARY PHILOSOPHY (3 hrs.) Western philosophical thought since 1900; beginning with Bradley, Bergson, Moore, and Russell, and continuing with other representatives of several recent and contemporary philosophical tendencies.

PHIL. 405 or 406 AMERICAN PHILOSOPHY (3 hrs.) The development of philosophical ideas in the United States from colonial times to the present.

PHIL. 477-478 SEMINAR IN PHILOSOPHY (2 hrs.) Intensive examination of the perspective of one great Western philosopher. Permission of instructor required.

PHIL. 487-88 INDEPENDENT STUDY IN PHILOSOPHY (1-3 hrs.) Designed for students interested in independent research in a special field. Research project subject to the approval of Chairman of Department.

PHYSICAL EDUCATION AND HEALTH

AIMS

To promote the health education and physical development of the student; to provide opportunities for students to participate in and secure a reasonable degree of proficiency in recreational activities; and to train physical education and recreation leaders for educational and community situations.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the department which should include the following courses: Physical Education 125, 227, 442, 464, 471, 480; Sociology 201; Biology 101-102, 201 and 425 or 167 are recommended. Sequence of courses subject to approval of the Senior Counselor.

REQUIREMENTS FOR ALL STUDENTS FOR GRADUATION

Freshmen: Physical Education 101-102 is required. Physical Education 125 may be elected in the freshman or sophomore year or Biology 101 may be offered as a substitute. Sophomores: Physical Education 201-202 is required of all students but permission may be granted to substitute equivalent hours from Physical Education 169-170, 227-228, 243, 301-302 or work in varsity athletics.

One hour's credit will be given for a season's work in varsity athletics, i.e., football, basketball, track, baseball, golf, swimming, cross country, and tennis, provided students enroll for Physical Education 201-202. Not more than a total of four hours credit towards graduation will be allowed from courses 101-102, 201-202, and varsity athletics.

All students will be required to pass a swimming achievement test prior to graduation. Students who are physically unfit as certified by the college physician may petition to be allowed to substitute hours in other courses in lieu of activity courses in physical education. Students who are not candidates for a degree may be exempt from the requirements of physical education. Any petition for exemption from physical education should be addressed to the Committee on Admission and Academic Review.

PHYS. ED. 101-102 FRESHMAN ORIENTATION IN PHYSICAL EDUCATION (1 hr.) The techniques and rules of a wide variety of team sports. An activity course. Three periods per week. Required of all freshmen. (Note. Men should register as 101m-102m; women 101w-102w).

PHYS. ED. 125 PERSONAL HYGIENE (2 hrs.) Fundamental knowledge of personal hygiene and how the health of the individual may be conserved.

Note: Students who have successfully passed Biology 101, or who have shown by a comprehensive test that they possess a satisfactory knowledge of health principles and practices, may be permitted to substitute two hours of other academic work for this requirement.

PHYS. ED. 167 INTRODUCTION TO MAMMALIAN ANATOMY AND PHYSIOLOGY (3 hrs.) (See Biology 167).

PHYS. ED. 169-170 FOLK DANCING (1 hr.) Folk dancing from many countries. English and American country dances during the first semester and European dances during the second semester. An activity course. Two periods per week.

PHYS. ED. 201-202 SOPHOMORE PHYSICAL EDUCATION (1 hr.) Individual sports; planned for sophomores who desire to elect a general recreation course. An activity course. Three periods per week. (Note. Men should register as 201m-202m; women 201w-202w).

PHYS. ED. 226 COMMUNITY HYGIENE (2 hrs). Health matters pertaining to the social group; communicable diseases; vital statistics; legal and social regulations relating to personal and community health.

PHYS. ED. 227 ELEMENTARY SWIMMING (1 hr.) Instruction for beginners in buoyancy and flotation. Preliminary tests for swimming and such strokes as elementary back, side, and crawl. An activity course. Three periods per week.

PHYS. ED. 228 ADVANCED SWIMMING (1 hr.) Correct form of the more advanced strokes, as the trudgen, American crawl, racing back and breast, diving and life saving. An activity course. Three periods per week.

PHYS. ED. 230 OUR OUTDOORS (1 hr.) (See Biology 230).

PHYS. ED. 240 SOCIAL DANCING (1 hr.) Instruction in the modern social dance steps. An activity course. Two periods per week.

PHYS. ED. 243 TUMBLING AND STUNTS (1 hr.) Begins with individual stunts and advances to more intricate work. An activity course. Two periods per week.

PHYS. ED. 267-268 THEORY AND PRACTICE OF TEAM SPORTS (2 hrs.) Intensive practice with opportunity for officiation in team sports for men and women.

PHYS. ED. 301-302 MODERN DANCING (1 hr.) Contemporary dancing, emphasizing the use of the fundamental expressive movements in creative work. An activity course. Two periods per week.

PHYS. ED. 303 COACHING FOOTBALL (2 hrs.) Fundamentals, offensive and defensive styles of play, rules of the game and officiating. Offered in alternate years.

PHYS. ED. 304 COACHING BASKETBALL (2 hrs.) Fundamentals, offensive and defensive styles of play, rules, officiating and the place of basketball in the intramural program. Alternates with Physical Education 326.

PHYS. ED. 325 INTRAMURAL SPORTS (2 hrs.) Organization, administration and objectives of the intramural program of athletics. Offered in alternate years.

PHYS. ED. 326 BASEBALL, TRACK AND FIELD (2 hrs.) Strategy and fundamentals of baseball, track and field. Alternates with Physical Education 304.

PHYS. ED. 327 COMMUNITY RECREATION (3 hrs.) The philosophy of American recreation and community organization for leisure time activities. Offered in alternate years.

PHYS. ED. 328 RECREATION LEADERSHIP (3 hrs.) Recreational activities; practice in the leadership of games, square dancing, playground activities, with a two hour laboratory for handicrafts. Offered in alternate years.

PHYS. ED. 340 PREVENTION AND CARE OF INJURIES (2 hrs.) Common hazards of play and athletics. Preventive measures and treatment of injuries. Red Cross First Aid Certificate may be earned by those who pass the examination. Offered in alternate years.

PHYS. ED. 341 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION (2 hrs.) Methods used in evaluating outcomes of the physical education program.

PHYS. ED. 402 ADAPTED PHYSICAL EDUCATION (2 hrs.) Variations of the normal types of the human organism at different age levels; therapeutic measures, especially those which refer to the correction of mechanical defects. Prerequisites: Biology 201, 425, or 167. Offered in alternate years.

PHYS. ED. 424 KINESIOLOGY (3 hrs.) Fundamental body movements and their relation to body development and efficiency. Prerequisite: Biology 201 and 425.

PHYS. ED. 425 PHYSIOLOGY (3 hrs.) (Biology 425). Structure and functions of the human body; the mechanism of bodily movements, responses, reactions, and various physiological states. Prerequisites: Biology 101-102 and 201. Alternates with Biology 365.

PHYS. ED. 428 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (3 hrs.) Administrative relationships and procedure in the conduct of physical education. Offered in alternate years.

PHYS. ED. 439-440 THEORY AND PRACTICE OF INDIVIDUAL SPORTS (2 hrs.) Intensive practice in badminton, archery, tennis, handball, golf, and life saving with a study of the rules of each and of methods used in teaching.

PHYS. ED. 441 HISTORY OF PHYSICAL EDUCATION (2 hrs.) Development of physical education from ancient times to the present. Offered in alternate years.

PHYS. ED. 442 PRINCIPLES OF PHYSICAL EDUCATION (3 hrs.) Principles basic to a program of physical education in the modern educational system. Offered in alternate years.

PHYS. ED. 464 TEACHING OF HEALTH (3 hrs.) (Health Problems of the School Child). A course designed to provide students with opportunities to study health problems, activities, and methods of teaching the school child.

PHYS. ED. 471 SEMINAR IN PHYSICAL EDUCATION (1 hr.) A survey of the field of health and physical education and the current literature relating to investigations in the field. Prerequisites: Physical Education 425 and 442. Open only to upper division students. Required of all students concentrating in the Field of Physical Education.

PHYS. ED. 480 METHODS AND MATERIALS IN TEACHING PHYSICAL EDUCATION (2 hrs.) Methods, materials and techniques pertinent to the teaching of Physical Education.

PHYS. ED. 487-488 INDEPENDENT STUDY IN PHYSICAL EDUCATION (1 to 3 hrs.) Designed for those students interested in physical education who desire to do independent study in some special field. The field of study may be selected by the student subject to the approval of the Head of the Department, according to interest and future needs.

PHYS. ED. 491-492 HONORS COURSE (1 to 3 hrs.) Special problems and minor research studies in physical education. Enrollment limited to students concentrating in Physical Education who are seniors of superior ability and achievement. Permission of the Head of the Department required.

PHYSICS

AIMS

To give the liberal arts student some insight into our universe and its physical laws, with emphasis upon the scientific method.

To present to the pre-professional student a general knowledge of physics and its laboratory methods that are applicable to his field.

To acquaint the advanced undergraduate student with some of the theory and the laboratory methods in the main branches of physics, so that he may be equipped for teaching, research, or graduate work in this field.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the department, including 301-302, 303, 304, 305-306 and 341-342. Physics 325-326 and 487-488, and a reading knowledge of German and French are recommended for students expecting to do graduate work. Mathematics or chemistry is strongly recommended as the related field. Sequence of courses subject to approval of the Head of the Department.

PHYS. 101-102 GENERAL PHYSICS (4 hrs.) A continuous course. First semester: mechanics, heat and sound. Second semester: electricity, magnetism, light and modern physics. A fundamental course which is a prerequisite to all advanced physics courses. Open to freshmen.

PHYS. 301-302 MECHANICS (3 hrs.) Particle mechanics; central force motions; motions of rigid bodies; free, forced and coupled oscillations; elasticity; fluid motion; introduction to special theory of relativity and Lagrange's equations. Offered in alternate years; not offered in 1965-1966.

PHYS. 303 THERMOPHYSICS (3 hrs.) Temperature, calorimetry, expansion, conductivity, change of state and radiation; thermodynamics and kinetic theory. Prerequisites: Physics 101-102 and Mathematics 201-202. Offered in alternate years; offered in 1965-1966.

PHYS. 304 GEOMETRICAL AND PHYSICAL OPTICS (3 hrs.) Theories of light, reflection, refraction, interference, diffraction, polarization, geometrical optics, optical instruments, vision and spectroscopy. Prerequisites: Physics 101-102 and Mathematics 201-202. Offered in alternate years. Geometrical Optics offered 1965-66.

PHYS. 305-306 ELECTRICITY AND MAGNETISM (3 hrs.) Electrostatics and magnetics; Maxwell's equations; electro-chemistry; circuit theory and electrical machinery; consideration of the theoretical and practical applications of electricity and magnetism. Prerequisites: Physics 101-102 and Mathematics 201-202. Offered in alternate years. Not offered in 1965-1966.

PHYS. 322 SPACE PHYSICS (3 hrs.) History of rocketry, rocket propulsion, artificial satellites, space travel, architecture of the universe, and communications. Prerequisites: Physics 101-102 and Mathematics 201-202. Offered in alternate years; offered in 1965-1966.

PHYS. 325-326 MODERN PHYSICS (3 hrs.) The development of modern physics; spectroscopy, radiation, quantum mechanics; radioactivity and nuclear physics, and cosmic rays; specific topics included are the electron microscope, radar, the cyclotron and atomic power. Prerequisites: Physics 101-102 or permission of the Head of the Department. Offered in alternate years; offered in 1965-1966.

PHYS. 328 ELECTRONICS (3 hrs.) A fundamental course in electronics, including such topics as electron emission, rectifiers, multi-electrode tubes, cathode-ray oscillograph, television, radio, radar, thyratons and industrial controls. Prerequisites: Physics 101-102 or permission of the Head of the Department. Offered in alternate years; not offered in 1965-66.

PHYS. 341-342 EXPERIMENTAL PHYSICS (1 or 2 hrs.) A comprehensive course of individual laboratory work in the various fields of physics. Selection of experiments is based on the ability and interest of the student and on the available facilities. Prerequisites: Physics 101-102.

PHYS. 365-366 SPECTROSCOPIC ANALYSIS (1 or 2 hrs.) Use of the E-1 Hilger Spectrograph and auxiliary equipment for analytical work; original research. Registration with permission of the Head of the Department.

PHYS. 375-376 PROBLEMS IN PHYSICS (1 hr.) Solution of more advanced problems in the various fields of physics. Prerequisites: Physics 101-102.

PHYS. 441-442 ADVANCED EXPERIMENTAL PHYSICS (1 or 2 hrs.) A continuation course of Physics 341-342. Experiments are more complicated in theory and technology, with greater emphasis on atomic physics, electronics and spectroscopy. Prerequisites: Physics 341-342.

PHYS. 477-478 SEMINAR IN PHYSICS (1 hr.) A survey of Physics for review and correlation of the various fields in the discipline. Registration by permission of the Head of the Department.

PHYS. 480 METHODS AND MATERIALS IN TEACHING PHYSICS (2 or 3 hrs.) Methods and practice in classroom and laboratory instruction. Collateral reading and reports on the history of physical science. Required of all students expecting to teach physics.

PHYS. 487-488 INDEPENDENT STUDY (1 to 3 hrs.) Designed for those students interested in physics who desire to do independent reading or experimental work in some special field. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to individual interest and future needs.

PHYS. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced experimental work and minor research problems in radioactivity, spectroscopy, radio and electronics, or in the field of the student's interest. Enrollment limited to seniors of superior ability and achievement who are concentrating in Physics. Permission of the Head of the Department required.

PHYSICAL SCIENCE

PHYS. SCI. 101-102 PHYSICAL SCIENCE (3 hrs.) A survey of the fields of astronomy, geology, physics and chemistry, with appropriate laboratory work. This course may be used to satisfy six hours of the science requirement. Open to freshmen. Students planning to complete a Field of Concentration in Chemistry or Physics should not enroll in this course.

PSYCHOLOGY

AIMS

The department hopes to assist the student in gaining a basic knowledge of psychology as the experimental science of man's behavior; to develop social awareness and social adjustment through understanding of the fundamental similarities and differences among men; to promote creative and critical thinking; to give background preparation for professions which deal with individual and group behavior; to encourage students to enter the field, whether in teaching, research, or applied psychology.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Concentration in psychology requires Biology 101-102 and a minimum of thirty hours in the department, including Psychology 201-202, 361-362, 477 or 478, and two of these three: 371, 372, 374. No student will be recommended for graduate school who has not had Mathematics 101-102 also. Mathematics 327 and Sociology 201 are highly desirable. The student is reminded that most graduate schools require a reading knowledge of French or German or both for higher degrees.

PSYCH. 201-202 GENERAL PSYCHOLOGY (3 hrs.) An introduction to the general field of psychology; perception, learning, motivation, personality, reasoning, and a survey of the areas within the general field. Two lectures and one laboratory period each week. Prerequisite to all other courses in the department. Prerequisite: Psychology 201 is prerequisite for Psychology 202.

PSYCH. 311 SOCIAL PSYCHOLOGY (3 hrs.) A study of the behavior of the individual in interaction within groups. Consideration will be given to the formation and properties of groups and to their influence on the individual. Prerequisite: Psychology 201-202.

PSYCH. 321 THE NORMAL PERSONALITY (3 hrs.) This course deals with theories of the development of personality. Emphasis will be placed on the normal personality and its development, and on the principles of mental hygiene for students. Prerequisite: Psychology 201-202.

PSYCH. 322 THE ABNORMAL PERSONALITY (3 hrs.) The study of abnormal personality development including mental deficiency, neuroses, psychoses, and sociopathic behavior. Prerequisite: Psychology 201-202.

PSYCH. 331 CHILD AND ADOLESCENT PSYCHOLOGY (3 hrs.) A course devoted to the study of the psychological development of the child through adolescence and, briefly, to the phylogenesis of behavior. Prerequisite: Psychology 201-202.

PSYCH. 332 EDUCATIONAL PSYCHOLOGY (3 hrs.) A study of the application of psychological principles to the field of Education. Included will be the areas of learning, transfer of training, individual differences, motivation, achievement testing, and the language and communication skills as they apply to education. Prerequisite: Psychology 201-202.

PSYCH. 335 PSYCHOLOGICAL AND EDUCATIONAL TESTS AND MEASUREMENTS (3 hrs.) The course will deal mainly with group testing, with attention to the construction and use of standardized and of *ad hoc* tests. The necessary correlation techniques will be included. Prerequisite: Psychology 201-202.

PSYCH. 336 INDUSTRIAL PSYCHOLOGY (3 hrs.) A study of industrial motivations, human relations training, optimum working conditions, human engineering. Prerequisite: Psychology 201-202. Offered in alternate years.

PSYCH. 361-362 DESIGN AND ANALYSIS OF EXPERIMENTS IN PSYCHOLOGY (3 hrs. each semester) This course deals with methods of investigation of behavior, with the greater emphasis on the experimental method. Differential methods are treated in Psychology 335. Techniques of statistical evaluation of data will be introduced when data demand them. Some time will be spent on the general theory of science, and on mathematical statements of scientific, especially psychological, laws, theories, functions. Prerequisite: Psychology 201-202. No credit given for only one semester of Psychology 361-362. One lecture and two laboratory periods each week.

PSYCH. 371 PSYCHOLOGY OF EMOTION AND MOTIVATION (3 hrs.) A study of the whys of behavior, of methods of discovering what people want, and of the origin and development of their desires, attitudes, value systems, and the like. Emphasis will be on the experimental assessment of sociogenically derived motives. Prerequisite: Psychology 201-202. Offered irregularly.

PSYCH. 372 PSYCHOLOGY OF LEARNING (3 hrs.) This course will deal with theories of learning. Prerequisite: Psychology 201-202. Two lectures and one laboratory period each week.

PSYCH. 374 PERCEPTION AND COGNITION (3 hrs.) This course deals with the acceptance and processing of information by the human organism. Prerequisite: Psychology 201-202. Two lectures and one laboratory period each week.

PSYCH. 391 JUNIOR HONORS SEMINAR (1 to 3 hrs.) Open to Juniors who are considering the desirability of entering Psychology 491-492. The course will discuss the information available in some small section of psychology, the exact topic varying from year to year. Prerequisites: Psychology 201-202, concurrent enrollment in Psychology 361, and an overall grade average of 3.0

PSYCH 477 or 478 SEMINAR IN PSYCHOLOGY (1 to 2 hrs.) An advanced general course which is partly a preparation for the comprehensive examination in psychology. Prerequisite: Psychology 201-202 and senior standing.

PSYCH. 487-488 INDEPENDENT STUDY IN PSYCHOLOGY (1 to 3 hrs.) This course is designed to permit students to do independent work in psychology which cannot be done in any other course in the department. The subject of study must be selected in consultation with the Head of the Department before the semester opens. Prerequisite: Psychology 201-202 and junior or senior standing.

PSYCH. 491-492 HONORS COURSE (2 to 3 hrs.) The student will carry out a research project, running from the middle of his Junior year to the middle of his Senior year. Prerequisites: Psychology 391 and an overall grade average of 3.0

RELIGION

AIMS

To provide a focus of religious meanings for the guidance of life and the integration of knowledge, and to prepare students planning to enter a church vocation for graduate study in professional schools of religion.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN RELIGION

A minimum of twenty-four hours in the department of which eighteen shall be in advanced courses. The ministerial student must have 401-402 and six additional hours of Biblical study. Sequence of courses is subject to the approval of the Senior Counselor.

REQUIREMENTS FOR GRADUATION

Religion 101-102 or more extensive study of the same areas is required of all students qualifying for graduation.

REL. 101-102 JUDAEO-CHRISTIAN ORIGINS AND DEVELOPMENT (3 hrs.) In the first semester this course surveys the history, literature, and religion of the Hebrew people and gives an introduction to the sources of the Christian church.

In the second semester this course shows the development of Christianity, of the Christian Church in the New Testament, and of the major divisions of Christendom. The development of religions in America is traced with major attention to the movement for the restoration of the New Testament Church and Christian unity which gave rise to the Christian Churches. First-hand historical materials of Bethany and the Campbell heritage illuminate this study.

REL. 211-212 BEGINNING NEW TESTAMENT GREEK (3 hrs.) Study of grammar and vocabulary along with reading selected passages from the New Testament in order to develop as rapidly as possible an ability to read *koine* Greek. Most of the Fourth Gospel is read during the second semester. Offered 1964-65 and alternate years.

REL. 327-328 COMPARATIVE RELIGIONS (3 hrs.) A study of the most important features of Hinduism, Buddhism, Confucianism, Taoism, Zoroastrianism, and Islam.

REL. 331 THE PROPHETS (3 hrs.) The origin and nature of Old Testament prophecy. The mission and message of some of the leading prophets. Prerequisite: A previous course in Old Testament.

REL. 332 THE WISDOM OF ISRAEL (3 hrs.) An analysis of the meaning and significance of Job, Ecclesiastes, and other Old Testament wisdom literature. Prerequisite: A previous course in Old Testament.

REL. 333 TEACHINGS OF JESUS (3 hrs.) Teachings of Jesus in relation to Jewish and Hellenistic backgrounds. Prerequisite: a previous course in New Testament.

REL. 334 TEACHINGS OF PAUL (3 hrs.) Teachings of Paul and their influence in the early church. Prerequisite: a previous course in New Testament.

REL. 341 INTRODUCTION TO CHRISTIAN MINISTRIES (1 hr.) A seminar required for ministerial students who are at the beginning of a period of regular service to a church.

REL. 346 THE CHURCH IN THE NEW TESTAMENT (1 or 3 hrs.) A seminar study of church life in the New Testament and in the Restoration Movement of the 19th Century.

REL. 353 CHRISTIAN FAITH IN ITS CULTURAL EXPRESSIONS (1 or 3 hrs.) A seminar study of expressions of Christian faith in past and present cultural forms. Not offered in 1965-66.

REL. 354 TRENDS IN CONTEMPORARY CHRISTIAN THINKING (1 or 3 hrs.) A seminar study of notable thinkers and movements in the twentieth century. Not offered in 1965-66.

REL. 401-402 THE BIBLE AS RELIGIOUS LITERATURE (3 hrs.) The books of the Bible are studied for their record of past religious events, their expression of faith at the time of writing, and their significance in past and current reformations of the church.

REL. 411-412 INTERMEDIATE NEW TESTAMENT GREEK (3 hrs.) Selections from the Synoptic Gospels and the letters of Paul are read, with study of forms and expansion of vocabulary. Offered in years alternating with 311-312.

REL. 421 VARIETIES OF RELIGIOUS DEVELOPMENT (3 hrs.) A study of ways in which personal religious faith develops, with particular attention to patterns in children, changes in adult life and reactions of persons under stress.

REL. 422 EDUCATIONAL WORK OF CHURCH AND FAMILY (3 hrs.) How the church and the home provide for religious development.

REL. 423 PRACTICUM (1 to 3 hrs.) Work at supervised assignments in an approved church program, four to twelve weeks usually in summer. Credit determined by length of assignment, reports on activities and assigned readings, and summary paper.

REL. 451-452 BIBLICAL DOCTRINES (3 hrs.) A seminar on Biblical doctrines and the teachings of the church about God, man, sin, salvation, the church, eternal life, and related topics.

REL. 478 SEMINAR IN RELIGION (1 hr.) A seminar on the integration of the field of the comprehensive examination. Prerequisite: at least 18 hours of previous study in the department.

REL. 487-488 INDEPENDENT STUDY IN RELIGION (1 to 3 hrs.) A field of study selected by the student, subject to the approval of the Head of the Department.

REL. 491-492 HONORS COURSE (1 to 3 hrs.) Special problems and research studies in religion. Readings, conferences and reports on an area of special interest. Limited to students of superior ability and achievement. Permission of the Head of the Department required.

SOCIOLOGY AND ANTHROPOLOGY

AIMS

To give the students a scientific analysis of social relations for general education, and to help train students for professional careers, and to prepare them for graduate or professional study.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of twenty-four hours in the department with eighteen hours in advanced courses. It is recommended that those who intend to major in the department should include in their course of study such related courses as psychology, history, political science, economics, philosophy, mathematics, and other areas of their interest.

For students who wish to emphasize anthropology, besides some of the courses listed above, courses in biology, chemistry, geography, and foreign languages are useful.

SOCIOLOGY

SOC. 201 INTRODUCTION TO SOCIOLOGY (3 hrs.) An analysis of the fundamental sociological perspectives, methods and concepts used in studying society. An introduction to the sociological analysis of the contemporary structure and process of society, culture patterns, major social institutions, social interaction, social control, social disorganization, and social change.

SOC. 202 THE FAMILY (3 hrs.) The structure and function of the family in America and in various other societies. The comparative analysis of the relation of the family to personality, society, and culture.

SOC. 203 THE COMMUNITY: RURAL-URBAN SOCIOLOGY (3 hrs.) Cultural, ecological, and institutional patterns in growth of community life from rural to urban life. Offered in alternate years.

SOC. 267 RACIAL AND CULTURAL GROUPS IN CONTEMPORARY WORLD (3 hrs.) The nature and dynamics of prejudice for minority and majority group relations in the world, particularly in the United States. The relations of these groups to social stratification, economic, political, educational, and religious institutions and values. Prerequisite: Soc. 201.

SOC. 301 SOCIAL DISORGANIZATION AND DEVIANT BEHAVIOR (3 hrs.) An analysis of the theories and problems of social disorganization and deviancy in human behavior: delinquency, crime, and related problems. Prerequisite: one psychology course. Offered irregularly.

SOC. 326 CULTURE CONTACT AND SOCIAL CHANGE (3 hrs.) Theories of social change; problems of modernization in emergent nations; the nature of the traditional societies; comparative study of the impact of the Western civilization on the social structure, culture, and personality. Prerequisite: Soc. 201 or other introductory social science courses. Offered irregularly.

SOC. 327 SOCIAL STRUCTURE: COMPARATIVE ANALYSIS (3 hrs.) Analysis of the system of social institutions of the contemporary United States in comparison with those of the Soviet Union and selected non-Western societies. Emphasis will be placed on kinship, division of labor, economy, social stratification, religion, the organization of power structure, and education. Prerequisite: Soc. 201 and/or other introductory social science courses.

SOC. 329 INDUSTRIAL SOCIOLOGY (3 hrs.) The structure and function of industry; ideologies of management and labor; industrial relations and organization involving the problems of integration, conflict, and change. Prerequisite: Soc. 201 or Econ. 201 or 202. Offered in alternate years.

SOC. 337 SOCIOLOGY OF RELIGION (3 hrs.) Sociological and anthropological analysis of the interrelationship of society, culture, and religion. Comparative study of religion in different socio-cultural settings. Analysis of religion as a factor in modern social process. Prerequisite: one or more of the following courses — Soc. 201, Anthro. 201, 325, introductory social sciences, or one religion course.

SOC. 427-428 MODERN SOCIOLOGICAL THEORY (3 hrs.) A critical examination of the theoretical contributions of Durkheim, Marx, Max Weber, Simmel, Parsons, Merton, and other selected theorists. Open to upper classmen by permission of the Head of the Department.

SOC. 439 SOCIAL CONTROL (3 hrs.) Means of control in primitive and advanced societies. The roles of family, school, church, and community. Formal and informal controls; emblems, rituals; praise, blame, ridicule, and intimidation. The role of leadership in the evolution of group values. Offered irregularly.

SOC. 440 METHODS OF SOCIAL RESEARCH (3 hrs.) An examination of the theory and methods of social research and research techniques. Offered in alternate years.

SOC. 441 SOCIAL WELFARE IN THE AMERICAN COMMUNITY (3 hrs.) History and theory of modern social welfare; the basic processes: casework, group work, and community organization. Prerequisite: Soc. 201, Soc. 203, or one psychology course. Offered in alternate years.

ANTHROPOLOGY

ANTHRO. 201 INTRODUCTION TO ANTHROPOLOGY (3 hrs.) General survey of the fields of anthropology; the nature of paleolithic men and cultures; human and cultural evolution in prehistoric and more recent times.

ANTHRO. 325 CULTURAL ANTHROPOLOGY (3 hrs.) The study of recent and contemporary man, with emphasis on economic life, kinship systems, political organization, art, religion, and magic. Prerequisite: Soc. 201 or Anthro. 201.

ANTHRO. 326 PHYSICAL ANTHROPOLOGY (3 hrs.) The place of man in relation to the living primates; human evolution and evolutionary principles as associated with human ecology. The races of modern man. Offered in alternate years.

ANTHRO. 330 TECHNOLOGY AND SOCIETY (3 hrs.) Technological processes in the primitive and folk levels and their influence on the development of society and culture.

ANTHRO. 376 PEOPLES AND CULTURES OF NON-WESTERN WORLD (3 hrs.) Comparative analysis of selected traditional cultures of the non-Western world. Prerequisite: Anthro. 201 and 202. Not offered 1965-1966.

ANTHRO. 428 LANGUAGE, SOCIETY, AND CULTURE (2 hrs.) General survey of the science of language with particular emphasis upon the interrelationship between linguistic structure, social relations, and culture patterns. Prerequisite: Anthro. 201, Soc. 201, or Anthro. 325. Offered irregularly.

ANTHRO. 430 PRIMITIVE RELIGIONS (3 hrs.) An analysis of the religious systems of selected non-literate peoples around the world; their philosophical and religious beliefs and attitudes, and their relation to concepts of man and nature. Religious behaviors and sentiment as a factor in the socio-cultural forces. Offered irregularly.

ANTHRO. 449 CULTURE AND PERSONALITY (3 hrs.) Theoretical and comparative study of personality formation and functioning in the context of cultural factors and social structural conditions. Prerequisite: one or more of the following courses—Anthro. 201, 325, Soc. 201, or one Psychology course.

SOCIOLOGY AND ANTHROPOLOGY

SOC. 477-478 SENIOR SEMINAR (3 hrs.) Required of all students concentrating in the field. This course has three purposes: to integrate preceding work of the department; to give each student an opportunity to develop his particular interest in cooperation with the other members of the seminar group; and to prepare for the senior comprehensive examination.

SOC. 487-488 INDEPENDENT STUDY (1-3 hrs.) Designed for those students interested in Sociology and Anthropology who desire to do independent study in some special field. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

SOC. 491-492 HONORS COURSE (1-3 hrs.) Advanced projects and minor research studies. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in the field who are seniors of superior ability. Permission of the Head of the Department required.

SPEECH AND DRAMA

AIMS

To assist the individual to develop attitudes and techniques for effectiveness in oral communication; and to assist the student toward the sort of personality manifestation that makes for creative individuality.

The student primarily interested in the field of Speech and Drama may elect a field of concentration in Fine Arts (q.v.), or in the field of Communications with an emphasis in Speech and Dramatics.

SPEECH 201 FUNDAMENTALS OF SPEECH (3 hrs.) Basic principles of effective speech. A course for beginning students with major emphasis on delivery. Attention is given to elementary speech composition, development of confidence and poise, vocabulary building, pronunciation and enunciation, speech psychology, and personality manifestation through the delivery of speeches.

SPEECH 202 ADVANCED PUBLIC ADDRESS (3 hrs.) Advanced principles of speech preparation and delivery. Detailed speech composition and active participation in classroom lectures, panels, and symposia on American Orators. Prerequisite: Speech 201.

SPEECH 225-226 ORAL INTERPRETATION (2 hrs.) Study and practice of reading aloud from prose, poetry and dramatic literature. Emphasis on discovering and communicating the author's meaning. Reading in class and before various outside groups where possible. Offered on demand.

SPEECH 301 INTRODUCTION TO THE THEATRE (3 hrs.) A practical consideration and application of the various arts and crafts which go to make up the theatre; dramatic theory and criticism; and a consideration of the place and importance of the theatre in our culture.

SPEECH 302 INTRODUCTION TO RADIO AND TELEVISION (3 hrs.) Designed to give the student an over-all picture of the operational procedure in stations and networks; to develop a knowledge and appreciation of radio and television as powerful media of mass communication in our modern society. Field trips to radio and television stations at student expense.

SPEECH 365 PLAY DIRECTION AND PRODUCTION (1-3 hrs.) This course is designed for students who act in and stage College plays. All students enrolled in the course will attend the one hour Actor's Studio Workshop to be arranged each semester. The course may be repeated for credit but the total credit earned may not exceed 6 credit hours. An applied course.

SPEECH 366 PRINCIPLES OF ACTING (3 hrs.) Basic acting techniques; historical and modern styles of acting, their principles, theories, and their application in the performance of scenes and plays. Prerequisite: Speech 365.

SPEECH 401 HISTORY OF THEATRE (3 hrs.) A study of the development of theatre in the Western World with a consideration of representative plays from Aeschylus to Albee.

SPEECH 487-488 INDEPENDENT STUDY IN SPEECH AND DRAMA (1 or 3 hrs.) Open to students of initiative and above-average ability in radio, theatre, public address, voice and diction, interpretation, or the teaching of speech, to work on special projects. Registration by permission of the Head of the Department.

HONORARY DEGREES CONFERRED

ON JUNE 6, 1965

DOCTOR OF DIVINITY

Clarence Schnars, Pittsburgh, Pennsylvania

DOCTOR OF LAWS

Randolph Cutlip, Fulton, Missouri

DOCTOR OF BUSINESS ADMINISTRATION

Thomas Bloch, Wheeling, West Virginia

DOCTOR OF PUBLIC ADMINISTRATION

Hulett Smith, Charleston, West Virginia

DOCTOR OF PUBLIC SERVICE

Robert Sarnoff, New York, New York

BACCALAUREATE DEGREES CONFERRED IN COURSE

CLASS OF 1965

ON JUNE 6, 1965

BACHELOR OF ARTS

Summa Cum Laude

John Thomas Curran

Magna Cum Laude

Carol Louise McCoy

Mary Frances McKenzie

Cum Laude

Jocelyn T. Daugherty

Richard Earl Stuck

Diane Lynne Wagner

Rite

Ronald Joseph Adams
Rodney Michael Albaugh
Karen Joyce Bailey
Nancy Ardythe Bailey
Alice Brogan Bane
Lynn Clovis Barnes

Barbara Ann Best
Gerald David Block
Robert Harrison Bolen
Donald Worcester Bortz, Jr.
Rebecca Jean Bryan
Lee Anthony Bugay, Jr.

Dana Lee Burdeshaw
 John Nelson Cardwell
 Beverly Drysdale Carlson
 Phyllis Morrow Chain
 Richard Mathew Cipullo
 Lynn Joan Coleman
 Roger Leon Coleman
 Max Crone, II
 Russell Edward Dittmar
 Robert Lloyd Doeg
 Kay Joyce Eckhard
 Michael Howard Elbert
 John Raphael Florio
 Douglas Keller Friedman
 Virginia Pratt Gallagher
 George Charles Georgiades
 Susan Clara Gibb
 Sally Goldberger
 Jane Robeson Hanna
 Nancy Joan Hanna
 Pamela Allen Hanson
 Jan Charlotte Hassig
 James Bradshaw Hazlett
 William Owen Henderson
 Bard Elliott Hickman
 David Lynn C. Hobe
 Ann Virginia Hoerneman
 Rudolph Edward Horvat
 Jane Ann Hudson
 Thomas Henry Hughes
 Walter Topliff Hupalo
 David Ward Huyett
 Francis Wadsworth James, Jr.
 Andrew Franklin Keene
 Jack Henry Kent
 Alice Gale Keyes
 Paul William Klapach
 Sandra Carolyn Kowen
 Thomas Kenneth Lash

Peter Kent Laurence
 Thomas Henry Leed
 Susan Wentworth Locke
 Frank LoRusso
 John Stephen Makul
 Richard Beach Mason, Jr.
 Barbara Kay McClung
 William Kevin McGrath
 Sallie Stewart Meier
 Nicholas Stephen Melnick
 Stephen Zola Monheim
 James Edward Moxley
 Margaret Leura Murray
 Alan Richard Myers
 Thomas Albert Neis, Jr.
 Judith Ann Ochodski
 Christine Lynn Pease
 Robert Douglas Pfile
 Mervin Harry Rohdie
 Maria Roulis
 Dennis Hugh Sailer
 Fred Samuels
 George Anthony Scheller
 Nancy Ellen Schloss
 David Howard Shanks
 Alfred Charles Spencer, III
 Keith Allen Thomas
 Glory Ann Timchak
 Nancy Doretta Tipton
 James Martin Ulery
 Barry Treese Vance
 Cindi Lou Heslop Vavrina
 Richard Albert Wagner
 Jacqueline Gaye Weber
 Barbara Welles
 Lawrence Glen Whitacre
 Craig Carlyle White
 Judith Anne Wilfong
 James Louis Zimmerman

BACHELOR OF SCIENCE

Magna Cum Laude

Louise Annett Bates
 Roy Phillip Croston

David Thomas Eberiel
 Michael Frank

Cum Laude

Jay Conrad Franklin

Rite

James Albert Agate
 Lucinda Ann Alcorn
 David McElroy Boulin
 Robert Oliver Bowen
 Ray Lee Coleman

David Lee Crawford
 Edward Keith Dodd
 John Douglas Ferry
 John Scott Fisher
 Richard Lee Horton

Ihor John Hoshowsky
 Andrew Peter Hrebenar
 Andrea Michelle John
 Leslie Goff Lawson
 Nelson Reed Lazear
 Bernard Lawrence Levite
 Nels Thomas Lippert
 Roger William Lory
 Albert Saul Lubran
 Thomas Aaron Lucas
 Steven Charles Mann
 Richard Wheeler Bowman Muter
 Sally Smucker Myton
 William Edward Noice, Jr.
 Paul Paris
 Robert Larry Reitz

Hugh Sheppes Ripps
 David Allen Rupp
 Jerry Nicholson Rutherford
 Ronald Ira Schwartz
 Ruth Ann Schweyer
 David Theodore Seidman
 David Joseph Smith
 Steven Eric Suter
 Jeffry Haigh Tindall
 Lorraine Verbosky
 Theodore Robert Whitaker
 Robert James Williams
 Mark Edward Wilner
 Sigmund John Wutkiewicz
 Roy Bailey Zweidinger

ROSTER OF STUDENTS

ACADEMIC YEAR

1964-1965

SENIORS

Adams, Ronald	St. Clairsville, Ohio
Agate, James	Pittsburgh, Pa.
Albaugh, Rodney	Wheeling, W. Va.
Albert, Richard	Pittsburgh, Pa.
Alcorn, Lucinda	Pittsburgh, Pa.
Bailey, Karen	Pittsburgh, Pa.
Bailey, Nancy	Pittsburgh, Pa.
Banks, Percival	Irvington, N. J.
Barnes, Lynn	Power, W. Va.
Bates, Louise	Lyons, Ohio
Best, Barbara	Pittsburgh, Pa.
Block, Gerald	Boonton, N. J.
Bolen, R. Harrison	Newark, Ohio
Bortz, Donald	Greensburg, Pa.
Boulin, David	Chatham, N. J.
Bowen, Robert	Sistersville, W. Va.
Bryan, Rebecca	Wheeling, W. Va.
Bunnell, Theodore	Westfield, N. J.
Burdshaw, Dana	New Martinsville, W. Va.
Cardwell, John	Pittsburgh, Pa.
Carlino, Benay	Bound Brook, N. J.
Carlson, Beverly	Tenafly, N. J.
Caseman, Lynn	Bethany, W. Va.
Cipoletti, Ralph	Wellsburg, W. Va.
Cipullo, Richard	Pittsburgh, Pa.
Coleman, Ray	Pomeroy, Ohio
Cook, Bruce	Plainville, Mass.
Crawford, David	Brilliant, Ohio
Croston, Roy	Wellsburg, W. Va.
Curran, John	N. Merrick, N. Y.

Dittmar, Russell	Bayonne, N. J.
Dodd, E. Keith	Beech Bottom, W. Va.
Doeg, Robert	Bloomfield, N. J.
Dressler, Q. Scott	Glen Rock, N. J.
Eberiel, David	W. Orange, N. J.
Eckhard K. Joyce	Altoona, Pa.
Elbert, Michael	Powhatan Point, Ohio
Ferry, J. Douglas	Wellsburg, W. Va.
Fisher, John	Harrington Park, N. J.
Florio, John	Pleasantville, N. Y.
Frank, Michael	Cuyahoga Falls, Ohio
Franklin, Jay	Brooklyn, N. Y.
Friedman, Douglas	Fairfield, Conn.
Georgiades, George	Syosset, N. Y.
Gibb, Susan	Essex, Conn.
Goldberger, Sally	Bronx, N. Y.
Graff, Merry Beth	Paoli, Pa.
Hanson, Pamela	Darien, Conn.
Hassig, Jan	New Martinsville, W. Va.
Hazlett, James	Wheeling, W. Va.
Herbert, Sandra	Salem, Ohio
Hickman, Bard	Weirton, W. Va.
Hobe, David	Pittsburgh, Pa.
Hoerneman, Ann	Pittsburgh, Pa.
Hoffman, William	Butler, N. J.
Horvat, Rudolph	McMechen, W. Va.
Hoshowsky, Ihor	Rochester, N. Y.
Hrebenar, Andrew	Uniontown, Pa.
Hudson, Jane	Yorktown, Ind.
Hupalo, Walter	Valley Stream, N. Y.
Huyett, David	Wyomissing, Pa.
John, Andrea	Uniontown, Pa.
Jones, Patricia	Bethany, W. Va.
Kazarian, F. Gloria	East Norwalk, Conn.
Keene, Andrew	Oakmont, Pa.
Kent, Jack	Fairfield, Conn.
Klapach, Paul	Carnegie, Pa.
Kowen, Sandra	E. Rochester, N. Y.
Lash, Thomas	Wheeling, W. Va.
Laurence, Peter	Narberth, Pa.
Lawson, Leslie	Troy, Pa.
Lazear, Nelson	Wheeling, W. Va.
Leed, Thomas	Buffalo, N. Y.
Levite, Bernard	Steubenville, Ohio
Lippert, Nels	Plainfield, N. J.
LoRusso, Frank	Boonton, N. J.
Lubran, Albert	Steubenville, Ohio
Lueckert, Kenneth	McKeesport, Pa.
MacLaren, Donald	Westport, Conn.
Makul, John	N. Bergen, N. J.
Mann, Steven	Merrick, N. J.
Mason, Richard	Garden City, N. Y.
McClung, Barbara	Belpre, Ohio
McCoy, Carol	Weirton, W. Va.
McKenzie, Mary	Bethany, W. Va.
Meier, Sallie	Wheeling, W. Va.
Melnick, Nicholas	Leetsdale, Pa.
Miller, Jill Campsey	Claysville, Pa.
Monheim, Stephen	Steubenville, Ohio
Murray, M. Leura	Port Jervis, N. Y.

Muter, Richard	Wellsburg, W. Va.
Myers, Alan	W. Caldwell, N. J.
Myton, Sally	Pittsburgh, Pa.
Neis, Thomas	E. Orange, N. J.
Ochodski, Judith	Pittsburgh, Pa.
Paris, Paul	Commack, L. I., N. Y.
Pease, Christine	Ithaca, N. Y.
Pfile, Robert	Stow, Ohio
Reitz, R. Larry	Naugatuck, Conn.
Ripps, Hugh	Suffern, N. Y.
Rohdie, Mervin	New York, N. Y.
Rupp, David	Uniontown, Pa.
Rutherford, Jerry	Monroeville, Pa.
Sailer, Dennis	Wheeling, W. Va.
Samuels, Fred	Pittsburgh, Pa.
Scheller, George	Short Hills, N. J.
Schloss, Nancy	W. Hartford, Conn.
Schwartz, Ronald	Brooklyn, N. Y.
Schweyer, Ruth Ann	Jeromesville, Ohio
Seidman, David	Kew Gardens, N. Y.
Shanks, David	Washington, Pa.
Smith, David	Parkersburg, W. Va.
Spencer, A. Charles	Maplewood, N. J.
Stuck, Richard	Oakland, Md.
Thomas, Keith	Wheeling, W. Va.
Timchack, Glory	Johnstown, Pa.
Tindall, Jeffry	Oreland, Pa.
Ulery, James	Washington, Pa.
Vance, Barry	Canonsburg, Pa.
Verbosky, Lorraine	Trenton, N. J.
Wagner, Diane	Wheeling, W. Va.
Wagner, Richard	Coraopolis, Pa.
Wall, Robert	W. Englewood, N. J.
Weber, Jacqualine	Baltimore, Md.
Weigle, Kathleen	Friednes, Pa.
Weiss, Lawrence	Bronx, N. Y.
Whitaker, Theodore	Weirton, W. Va.
White, Craig	Bethany, W. Va.
Wilfong, Judith	Bethel Park, Pa.
Williams, Robert	McKees Rocks, Pa.
Wilner, Mark	Suffern, N. Y.
Wutkiewicz, Sigmund	Manorville, N. Y.
Zweidinger, Roy	Millburn, N. J.

JUNIORS

Albanese, Mark	Norwalk, Conn.
Allen, William	Bethany, W. Va.
Anderson, Kerry	Hampton Bays, N. Y.
Armstrong, Thomas	Carlisle, Pa.
Austin, H. Leroy	Carnegie, Pa.
Bates, John	Norwalk, Conn.
Baxter, James	Rochester, N. Y.
Benjamin, Wayne	Riverhead, N. Y.
Bergethon, Ragnar	Bergenfield, N. J.
Bizik, David	Dayton, Ohio
Blundon, Edward	Wheeling, W. Va.
Bolinger, Herman	Bethany, W. Va.
Boyd, Theodore	Portsmouth, Ohio
Branch, Lawrence	Teaneck, N. J.

Brechner, Jerilyn	New York, N. Y.
Brooks, Stephen	Wheeling, W. Va.
Brown, John	Bethany, W. Va.
Burdette, K. Ellen	Charleston, W. Va.
Burns, Anthony	Pittsburgh, Pa.
Bushfield, R. Anne	Triadelphia, W. Va.
Byrum, Bernard	Wheeling, W. Va.
Campbell, Thomas	Fairplay, Md.
Carr, Betty	Orlando, Fla.
Clarke, James	Connellsville, Pa.
Coleman, Christopher	Rochester, N. Y.
Coulter, James	Vienna, Va.
Currence, Robert	Verona, Pa.
Cyphert, Robert	Gibsonia, Pa.
Czika, G. Anthony	Cleveland, Ohio
Decker, Richard	Melrose, Mass.
DePrince, Charles	Cherry Hill, N. J.
DiClemente, Norman	Coraopolis, Pa.
Duecker, Carol	Vestal, N. Y.
Dunham, Deloris	Bethany, W. Va.
Duvall, Alan	Wheeling, W. Va.
Egbert, Jane	Ridgewood, N. J.
Eisenhauer, Sibylla	Ho-Ho-Kus, N. J.
Fehr, Larry	Lansing, Ohio
Fitzgerald, Jane	Cyclone, Pa.
Frantz, Parris	Charleroi, Pa.
Fussaro, David	Oakmont, Pa.
Gardner, Barry	Brilliant, Ohio
Graham, Linda	Pittsburgh, Pa.
Griffin, Edison	Newburgh, N. Y.
Hall, Larry	Barberton, Ohio
Hankins, Billie	Pittsburgh, Pa.
Harris, Drinda	Niagara Falls, N. Y.
Hauptfuehrer, Kurt	Bethany, W. Va.
Healy, Andrea	Bronx, N. Y.
Hebel, Pamela	Haworth, N. J.
Herrick, Michael	Mingo Junction, Ohio
Hickok, William	Harrisburg, Pa.
Hintz, Pamela	Glen Rock, N. J.
Hogan, Ernest	Skillman, N. J.
Hoshowsky, Christine	Rochester, N. Y.
Jaeger, Donald	Morris Plains, N. J.
Jahre, Jeffrey	Brooklyn, N. Y.
James, Evan	Poland, Ohio
Joralemon, John	Pittsburgh, Pa.
King, Lynda	Pittsburgh, Pa.
Kistler, Allyn	Pittsburgh, Pa.
Klein, Michael	Flushing, N. Y.
Knight, G. Diane	Warren, Ohio
Koontz, Charlotte	Johnstown, Pa.
Kradel, Paul	Butler, Pa.
Kurey, Michael	Monessen, Pa.
Ladd, David	Hamden, Conn.
Laird, Samuel	Media, Pa.
Larrick, Judy	Butler, Pa.
Leavitt, John	Rawayton, Conn.
Leighton, Barbara	Morrestown, N. J.
Lloyd, Robert	Milford, Conn.
Lotz, Eileen	Montclair, N. J.
Mallalieu, F. Wickham	Scotch Plains, N. J.

Mayercheck, Joseph	Connellsville, Pa.
McConnell, Lynn	White Plains, N. Y.
Meilton, Roger	Beaver, Pa.
Mendrzycki, James	Carnegie, Pa.
Merrigan, William	Troy, N. Y.
Miller, H. Curtis	Connellsville, Pa.
Miller, Michael	Washington, D. C.
Mishkin, Kenneth	Forest Hills, N. Y.
Mitchell, Wilson	Columbus, Ohio
Mohr, K. Stephen	Shelbyville, Ind.
Monroe, Nancy	S. Charleston, W. Va.
Muller, Patricia	Roslyn, L. I., N. Y.
Najar, Barbara	Wyckoff, N. J.
Neff, Donald	Bethel Park, Pa.
Nevius, George	Plainfield, N. J.
Nonemaker, Richard	Glen Ridge, N. J.
O'Brien, Roger	Marion, Ind.
O'Roark, James	Weirton, W. Va.
Pappas, Edward	Neptune, N. J.
Pitkin, Pamela	Wheeling, W. Va.
Platt, J. Gary	Wellsburg, W. Va.
Quinn, Patricia	Canton, Ohio
Ramming, Carl	Montvale, N. J.
Reeve, Mary	Coraopolis, Pa.
Riley, John	Westwood, N. J.
Rollo, Edmund	Wellsburg, W. Va.
Scangarello, Mary	Pittsburgh, Pa.
Schollaert, Robert	Atlasburg, Pa.
Schonberg, Allan	Brooklyn, N. Y.
Setzer, Marilyn	Westfield, N. J.
Shapert, Gene	McKees Rocks, Pa.
Shields, Sarah	Kensington, Md.
Shutter, John	Ligonier, Pa.
Siegfried, Susan	Madison, N. J.
Sipprell, Robert	Buffalo, N. Y.
Smith, Carolyn	Chatham, N. J.
Smith, Wilson	Stratford, Conn.
Solar, Robert	Maynard, Ohio
Specht, Cecelia	Somerset, Pa.
Spiegelberg, Beth	Silver Spring, Md.
Stein, Jack	Ambridge, Pa.
Stein, Leon	Pittsburgh, Pa.
Surawy, Tatiana	Clifton, N. J.
Themmen, Arne	Teaneck, N. J.
Thistlethwaite, Ronald	Wellsburg, W. Va.
Titzel, Gary	Greenville, Pa.
Toth, Judith	Caldwell, N. J.
Waldstein, Jay	Teaneck, N. J.
Weber, Paul	Somerset, Pa.
Weber, Peter	Somerset, Pa.
Weber, Sallie	Devon, Pa.
Weed, Joyce	Pittsburgh, Pa.
Williamson, Richard	Stratford, Conn.
Wilson, Barbara	Miami, Fla.
Witmer, Paul	Buffalo, N. Y.
Wood, Martha	Essex Fells, N. J.
Yanda, Larry	Dillonvale, Ohio
Yingling, Ann	Bridgeville, Pa.
Zirkle, Irene	Blacksburg, Va.
Zisa, M. Kathleen	Hackensack, N. J.

SOPHOMORES

Abrams, Charles	Pittsburgh, Pa.
Albert, Charles	Shrewsbury, N. J.
Alexas, F. Georgia	Washington, Pa.
Allen, Peter	Cheshire, Conn.
Allison, Jerry	Union City, Pa.
Ashcraft, Linda	Toronto, Ohio
Bassett, Lane	Export, Pa.
Bastian, C. Linn	McMurray, Pa.
Beachley, Virginia	Hagerstown, Md.
Bender, Ronald	Weirton, W. Va.
Berggren, Raymond	Wilson, Conn.
Bertram, John	Wellsburg, W. Va.
Boehm, Lois	Brooklyn, N. Y.
Bortz, Walter	Greensburg, Pa.
Bradley, Robert	Huntington, W. Va.
Brand, Jane	Pittsburgh, Pa.
Brink, Barrett	Grosse Pointe Farms, Mich.
Brown, Geoffrey	Fair Lawn, N. J.
Brown, Marilyn	McKeesport, Pa.
Burrall, Charles	Philadelphia, Pa.
Capstaff, James	Darien, Conn.
Case, Neil	Riverdale, N. J.
Clark, Richard	Montclair, N. J.
Clayman, Michael	Washington, D. C.
Clayton, Stephen	Philadelphia, Pa.
Cobb, Marilyn	Painsville, Ohio
Coffield, S. Diane	New Martinsville, W. Va.
Cooper, Richard	Rockville, Md.
Coundjeris, Arthur	Beechhurst, N. Y.
Coundjeris, Barbara	Beechhurst, N. Y.
Cramblet, Donna	Bethany, W. Va.
Crooks, Ronald	Munster, Ind.
Culbert, Sue	McKeesport, Pa.
Cullinane, James	Linden, N. J.
Dalzell, M. Jane	Pittsburgh, Pa.
Davis, Donna	Ridgefield, N. J.
Davis, James	Wheeling, W. Va.
Davis, Roy	Winter Park, Fla.
DeCanio, Rudy	Demarest, N. J.
Decker, Barbara	Westwood, N. J.
Deitch, Larry	Salem, Ohio
Deutsch, Diane	Ridgewood, N. J.
DiRienzo, Donna	Nutley, N. J.
Douglas, Jeffrey	Brooklyn, N. Y.
Eckert, Robert	Kinderhook, N. Y.
Eddy, Patricia	Salem, Ohio
Edele, Carol	Ridgewood, N. J.
Ehlers, John	Pittsburgh, Pa.
Ejzak, Paul	Pittsburgh, Pa.
Elliott, Dawna	Pittsburgh, Pa.
Elston, Jill	Niagara Falls, N. Y.
Embick, Greg	Paoli, Pa.
Erisman, Linda	Cleveland Heights, Ohio
Erskine, John	Pittsburgh, Pa.
Fairbrother, Charles	Stonington, Conn.
Farkas, Sol	Valley Stream, N. Y.
Farrell, James	Wheeling, W. Va.
Filler, Leonard	Salem, Ohio

Finlay, Karen	Cleveland Heights, Ohio
Fleming, Patricia	Pleasantville, Pa.
Forbes, James	Madison, N. J.
Forman, Patricia	Ridgewood, N. J.
Fowler, Sandra	Bethany, W. Va.
Frohring, Wayne	Newbury, Ohio
Frush, Betsy	Mansfield, Ohio
Gardini, Fred	Bridgeport, Ohio
Gast, Marilyn	Wheeling, W. Va.
Gates, Margaret	Woodbridge, Va.
Gearhart, Herbert	Drexel Hill, Pa.
Geisel, Viola	Brooklyn, N. Y.
German, Gail	Westfield, N. J.
Goldstein, Robert	Beverly Hills, Calif.
Grafman, Leslie	New York, N. Y.
Grummick, Sheila	Washington, Pa.
Guder, Lowman	Brownsville, Pa.
Halbreich, Everett	Rockville Centre, N. Y.
Hall, Darwin	Washington, D. C.
Hammar, Mary	Scotch Plains, N. J.
Harris, Fred	Warren, Ohio
Hartman, Howard	Painesville, Ohio
Hatefi, Abdollah	Teheran, Iran
Hauser, Rupert	Essex Fells, N. J.
Herbert, Victor	Western Springs, Ill.
Hoffman, Howard	Pittsburgh, Pa.
Hirsch, Bennett	Belle Harbor, N. Y.
Hopper, Thomas	San Bruno, Calif.
Horn, Barbara	Pittsburgh, Pa.
Hottell, Robert	Steubenville, Ohio
Hubbell, James	Aberdeen, Md.
Hughes, Marilyn	Finleyville, Pa.
Hunt, Walter	Linwood, N. J.
Hunter, Eugene	Wellsburg, W. Va.
Ickes, Barbara	Canton, Ohio
Johnson, Beverly	Annandale, Va.
Johnston, Pamela	Pittsburgh, Pa.
Jolley, E. Robert	St. Clairsville, Ohio
Karl, Donald	Summit, N. J.
Kennen, Carole	Wheeling, W. Va.
Keys, Arthur	Washington, Pa.
Kinney, William	West Alexander, Pa.
Kobylka, David	Lake Hiawatha, N. J.
Koch, Raymond	Verona, Pa.
Krayer, Wilma	Summit, N. J.
Lambert, David	McKeesport, Pa.
Lasker, Susan	Hewlett, N. Y.
Leixner, Charles	Kenmore, N. Y.
Lewis, Kathleen	Pittsburgh, Pa.
Lindell, Barbara	Westwood, N. J.
Lindsay, Douglas	McMurray, Pa.
Locke, Joanne	Bridgeport, Conn.
Loper, Kathleen	Wayne, N. J.
Lovette, Virginia	Ocean City, N. J.
Lusk, Ben	Clairton, Pa.
MacKenzie, Roderick	Wynnewood, Pa.
Mansfield, Richard	Marietta, Ohio
Markovich, Edward	Bethany, W. Va.
McCandless, James	Pittsburgh, Pa.
McCloy, Mark	Pittsburgh, Pa.

McGrath, Charles	Lincoln Park, N. J.
Michele, Mary	Montclair, N. J.
Miller, Frank	Steubenville, Ohio
Miller, Kenneth	Pittsburgh, Pa.
Miller, Nancy	Paris, Pa.
Montag, Kenneth	Santa Monica, Calif.
Moran, Jack	Pittsburgh, Pa.
Nagle, Sally	Garden City, N. Y.
Nawabi, Ardavan	Teheran, Iran
Nee, William	Solon, Ohio
Nern, Douglas	Wheeling, W. Va.
Newcomer, Richard	Ridley Park, Pa.
Ogden, Daniel	Chagrin Falls, Ohio
Oguss, David	Far Rockaway, N. Y.
Olson, Margaret	Fair Lawn, N. J.
Osborne, Ronaleen	Long Bottom, Ohio
Owen, Mark	Wellsburg, W. Va.
Patterson, JoAnne	Bethany, W. Va.
Patterson, Vance	Grove City, Pa.
Perlberg, Joan	New Canaan, Conn.
Peterson, John	Upper Montclair, N. J.
Phelan, Carolyn	Golf, Ill.
Pierce, Wayne	Pittsburgh, Pa.
Pindus, Ellen	Merrick, N. Y.
Polack, E. Phillips	Wheeling, W. Va.
Preston, Emily	Angola, Ind.
Rabinowitz, Neil	Brooklyn, N. Y.
Rackley, Frank	Washington, Pa.
Rasdale, Cynthia	Tampa, Fla.
Rawson, Thomas	Stratford, Conn.
Reed, William	Baldwin, N. Y.
Rehm, Randolph	Little Ferry, N. J.
Riegel, Suzanne	Trenton, N. J.
Riley, Robert	Munhall, Pa.
Robinson, William	Maplewood, N. J.
Rodnok, Susan	Oakmont, Pa.
Rogers, Robert	Bergenfield, N. J.
Rose, Russell	Springfield, N. J.
Rosensteele, Donna	Grand Island, N. Y.
Samuels, Arnold	Pittsburgh, Pa.
Scangarello, Peter	Fairfield, N. J.
Schempp, Edward	North Plainfield, N. J.
Schnell, J. Gerald	Framingham, Mass.
Schreiber, George	Pittsburgh, Pa.
Schultz, Gordon	Pittsburgh, Pa.
Shiffman, David	West New York, N. J.
Shipley, Elaine	Pittsburgh, Pa.
Simms, John	Finleyville, Pa.
Smith, Timothy	Snyder, N. Y.
Sniffin, Paul	Oakland, N. J.
Spanogians, James	Burgettstown, Pa.
Spurgeon, Barbara	Uniontown, Pa.
Staples, Linda	Baltimore, Md.
Stefanac, Thomas	Pittsburgh, Pa.
Steinford, Marion	Watchung, N. J.
Stevenson, Edward	Claysville, Pa.
Swindler, Billie	Warren, Ohio
Thompson, Bruce	Catania, Sicily
Tischler, Irwin	Teaneck, N. J.
Trautman, Frederick	Martins Ferry, Ohio

Trawitz, Ronald	Camp Hill, Pa.
Trotter, John	Merion Station, Pa.
Ueland, Stephen	New Hyde Park, N. Y.
Uhrig, James	Irwin, Pa.
Vlahakis, Valerie	Staten Island, N. Y.
Walters, Ramona	Bethany, W. Va.
Watt, Thomas	New Kensington, Pa.
Watts, Rebecca	Marblehead, Mass.
Welton, Philip	Pittsburgh, Pa.
Whitaker, Mary	Weirton, W. Va.
White, Robert	McMurray, Pa.
Wicks, Victor	Ingomar, Pa.
Wilson, John	Miami, Fla.
Wollison, Herbert	Youngstown, Ohio
Wolovitz, Gary	Pittsburgh, Pa.
Yoak, Donald	Wheeling, W. Va.
Yoder, Susan	Friedens, Pa.
Young, Sandra	Milford, Conn.

FRESHMEN

Abraham, Thomas	Wheeling, W. Va.
Adams, Thomas G.	East McKeesport, Pa.
Adams, Thomas T.	St. Albans, W. Va.
Adelhelm, William	Wynnewood, Pa.
Akins, Thomas	New Kensington, Pa.
Alderman, Sarah	New Canaan, Conn.
Alfieri, Frank	Syosset, N. Y.
Allen, Arnel	Pittsburgh, Pa.
Allen, Janice	Alexandria, Va.
Anderson, Susan	Summit, N. J.
Antioch, Richard	Wheeling, W. Va.
Ashbaugh, Craig	Pittsburgh, Pa.
Baer, Susan	Ft. Benning, Ga.
Barnes, Sharon	Montclair, N. J.
Barnum, Wilton	Chardon, Ohio
Barowsky, Ellis	Bronx, N. Y.
Barrett, James	Paoli, Pa.
Bassett, Louise	Export, Pa.
Beck, Jonathan	Merion Station, Pa.
Belfour, Joan	Pittsburgh, Pa.
Bell, Betty	Wellsburg, W. Va.
Bennett, Leigh	Narberth, Pa.
Binotto, Larry	McMurray, Pa.
Birkins, Richard	Wyckoff, N. J.
Boggs, Marilu	Wilmington, Del.
Bonchosky, Liesel	Uniontown, Pa.
Bookmyer, D. Page	Exton, Pa.
Brettell, Susan	Steubenville, Ohio
Briggs, Richard	Nutley, N. J.
Brine, Bonnie	Bridgeville, Pa.
Broberg, Albert	Venetia, Pa.
Brouse, Edward	Eggertsville, N. Y.
Brucker, Janice	Summit, N. J.
Burke, Francis	Jersey City, N. J.
Butella, Laureen	McKeesport, Pa.
Buzzard, Madelyn	Red Bank, N. J.
Calabrese, Frank	Hoboken, N. J.
Caputo, Ami	McKees Rocks, Pa.
Carver, Carol	Chatham, N. J.

Caserta, Gary	Stratford, Conn.
Christensen, Jon	Erie, Pa.
Clark, Dudley	Essex, Conn.
Coe, Alan	Malvern, Pa.
Cohen, Alan	Steubenville, Ohio
Cohn, Steven	Rego, Park, N. Y.
Copenhaver, William	Winchester, Va.
Cramer, Leanne	Westlake, Ohio
Criswell, Daniel	Wheeling, W. Va.
Cronk, Ted	Ridgway, Pa.
Cunningham, Merleen	Wayne, Pa.
Curran, Dean	North Merrick, N. Y.
Curry, Daniel	Clairton, Pa.
Curry, E. Diane	Pittsburgh, Pa.
Cushing-Murray, Geoffrey	Syracuse, N. Y.
Cyphers, Donna	Pennington, N. J.
Deulley, Richard	Middlebourne, W. Va.
DeVoe, Phillip	Kendallville, Ind.
Dickingson, Susan	Triadelphia, W. Va.
Doughtie, Timothy	Hilton Head, S. C.
Dunn, James	Uniontown, Pa.
Dunn, Lesle	Pittsburgh, Pa.
duPont, William	Johnstown, Pa.
Dyke, Laurel	Westfield, N. J.
Dyson, David	Pittsburgh, Pa.
Elliott, Diane	Canton, Ohio
Ely, Theodore	Erie, Pa.
Evans, Glenn	Riverhead, N. Y.
Evans, J. William	Warren, Ohio
Evans, Sara	Follansbee, W. Va.
Ewing, Michael	Lutherville, Md.
Faber, Nancy	Franklin Lakes, N. J.
Farrall, Sherry	Paoli, Pa.
Felix, Kathie	Westfield, N. J.
Fenwick, Mark	McDonald, Pa.
Fetters, Raymond	Fairlawn, N. J.
Fidago, Sandra	Pittsburgh, Pa.
Fisher, Mary-Margaret	Chelmsford, Mass.
Friedlander, Daniel	Forrest Hills, N. Y.
Fulmer, Dianne	West Mifflin, Pa.
Funka, Thomas	Washington, Pa.
Furniss, David	Bristol, Conn.
Gabell, Charles	Pittsburgh, Pa.
Geer, J. Ellen	Falls Church, Va.
Geraghty, Randolph	Warrensburg, N. Y.
Giacco, Lewis	Verona, Pa.
Giles, Kathleen	Albany, N. Y.
Gilyard, Mark	Cheshire, Conn.
Gimigliano, Ronald	Pittsburgh, Pa.
Goeller, Mark	Miami, Fla.
Goodnight, Jenny	Indianapolis, Ind.
Gratz, H. St. Clair	Bellaire, Ohio
Green, Judith	Shelby, Ohio
Gregg, Susan	Greenlawn, N. Y.
Greshauk, Russell	McKees Rocks, Pa.
Gureasko, Robert	Brooklyn, N. Y.
Gwynn, Vicki	Pittsburgh, Pa.
Haffa, Christine	Erie, Pa.
Hails, Janet	Pittsburgh, Pa.
Hall, Jennifer	East Liverpool, Ohio

Hall, Joan	North Haven, Conn.
Hancock, Thomas	Pittsburgh, Pa.
Hann, Pamela	Novelty, Ohio
Hanna, Cynthia	McKeesport, Pa.
Hanna, Marsha	Solon, Ohio
Harris, Larry	Clinton, Md.
Hegmann, J. Barbara	Franklin Square, N. Y.
Henderson, Susan	Pittsburgh, Pa.
Herzog, Ronald	Merchantville, N. J.
Hill, Jean	Punxsutawney, Pa.
Hiscox, Donald	Lisbon, Ohio
Hochberg, Barry	Freehold, N. J.
Holler, Daryl	Charleroi, Pa.
Hoop, William	Pittsburgh, Pa.
Hornack, Michael	Charleroi, Pa.
Hunter, Kirk	Kalamazoo, Mich.
Hustead, Jay	Uniontown, Pa.
Jacoby, Leslie	New York, N. Y.
Jamison, Mary Louise	Brilliant, Ohio
Janis, Gordon	Belle Harbor, N. Y.
Jay, Richard	Flushing, N. Y.
Jenne, Karen	Germantown, Md.
Johnson, Albert	Venetia, Pa.
Johnson, Everett	Windson, Conn.
Jones, Terry	Greencastle, Pa.
Kaiser, Deborah	Pittsburgh, Pa.
Kalcevic, Terrence	Clairton, Pa.
Kaniecki, Stanley	Wheeling, W. Va.
Keil, Ronald	Washington, D. C.
Kenah, Stanley	Bethel Park, Pa.
Kennedy, Carolyn	Bethesda, Md.
Kerins, G. Joseph	Oakland, Md.
Kerner, Emily Anne	Kensington, Md.
Kinsey, A. John	Pompton Lakes, N. J.
Kirkwood, Randy	DuBois, Pa.
Kissel, John	Bridgeville, Pa.
Klee, Pamela	Ridgewood, N. J.
Kochman, Stephen	Aliquippa, Pa.
Kohler, Cheryl	Albany, N. Y.
Koven, Janis	Forest Hills, N. Y.
Kupelian, Theodore	Chevy Chase, Md.
LaBrie, Henry	Cresskill, N. J.
Laeng, J. Thomas	Pittsburgh, Pa.
Lamb, Judith	Hyde Park, N. Y.
Landrum, John	Burlington, N. C.
LaRusso, Rachel	Livingston, N. J.
Lewis, Susan	Baltimore, Md.
Livingstone, Thomas	Westlake, Ohio
Lowe, William	Wheeling, W. Va.
Ludick, JoAnne	North Miami, Fla.
Lupton, Robert	Westport, Conn.
Lykens, Thomas	Spring City, Pa.
Lynch, Vyril	Irwin, Pa.
MacMillan, Alison	North Tonawanda, N. Y.
Mader, John	Scotch Plains, N. J.
Mancinelli, Bruce	Sart. (Seto), France
Marino, Angelo	Paterson, N. J.
Marion, Margaret	Paterson, N. J.
Marranca, Salvatore	Buffalo, N. Y.
Marshall, Senseney	Marshall, Va.

Mastorakis, Basilios	Athens, Greece
Mauro, Brian	Garfield Heights, Ohio
Maxfield, Mary	Upper Montclair, N. J.
McCord, Carolyn	Wellsburg, W. Va.
McCormick, Carol	Kent, Ohio
McCoy, Nancy	East Palestine, Ohio
McDaniel, Jacquelyn	Uniontown, Pa.
McKinley, Martha	Pittsburgh, Pa.
McMurrer, Edward	Ridgewood, N. J.
Meilton, Andrew	Beaver, Pa.
Melott, Adrian	Moundsville, W. Va.
Miller, Dale	Clairton, Pa.
Miller, David	Pittsburgh, Pa.
Miller, J. Brady	Pittsburgh, Pa.
Miller, Karin	Weirton, W. Va.
Miller, Kay	Marietta, Ohio
Miller, Ronald	Danbury, Conn.
Milligan, Kenyon	Steubenville, Ohio
Mitchell, R. Michael	Blacksburg, Va.
Morgan, Carol	Swarthmore, Pa.
Morgan, Joseph	Westlake, Ohio
Myers, Lois	Shadyside, Ohio
Nedley, Judith	North Charleroi, Pa.
Nelson, R. Penelope	Narberth, Pa.
Neubauer, Margo	Berkeley Heights, N. J.
Newman, Carol	Norwalk, Conn.
Nichols, Marsha	Ridgewood, N. J.
Nicholson, Robert	Pittsburgh, Pa.
Nixon, Sharon	Pittsburgh, Pa.
Nolan, Thomas	Port Jervis, N. Y.
Nonemaker, Karl	Glen Ridge, N. J.
Oakes, Robert	Mansfield, Ohio
O'Brien, Jacqueline	Steubenville, Ohio
Omasta, Thomas	West Mifflin, Pa.
Omsberg, Andrea	Franklin Lakes, N. J.
Ott, James	Cleveland, Ohio
Owen, Margaret	Norwalk, Conn.
Palatella, John	Demarest, N. J.
Partazana, Margaret	Charleroi, Pa.
Patterson, Robert	Pittsburgh, Pa.
Petrencs, John	Pittsburgh, Pa.
Phillips, David	Montclair, N. J.
Phillips, John	Pittsburgh, Pa.
Plants, Betty	Canonsburg, Pa.
Ply, Richard	Boonton, N. J.
Pocsik, Belinda	Putnam Valley N. Y.
Pollack, Jeffrey	Lawrence, N. Y.
Ponicall, F. Michael	Pittsburgh, Pa.
Ponton, Robert	Washington, Pa.
Posey, Carol	Clarksburg, W. Va.
Powers, John	Girard, Ohio
Price, Patricia	Salem, Ohio
Pugh, D. Terry	St. Clairsville, Ohio
Rantucci, Tecla	Buffalo, N. Y.
Read, Arthur	Cranston, R. I.
Reardon, Patrick	Pittsburgh, Pa.
Reed, Beth	Trenton, N. J.
Reed, Donald	Tiffin, Ohio
Reitz, Rodney	Naugatuck, Conn.
Renfer, Michael	Pittsburgh, Pa.

Reynolds, Gary	Kokomo, Ind.
Reynolds, Jenefer	Pittsburgh, Pa.
Rhyne, Carol	Palmetto, Fla.
Riggs, Jennifer	Winamac, Ind.
Riley, Richard	Westwood, N. J.
Rinfret, W. Alan	Riverdale, N. Y.
Ritter, Thomas	Reading, Pa.
Roberts, Ronald	Livingstone, N. J.
Rodman, Susan	Bay Village, Ohio
Rogers, Charles	Danbury, Conn.
Rogers, Joyce	Wellsville, N. Y.
Rorabaugh, Frederick	Erie, Pa.
Ross, Jules	Pittsburgh, Pa.
Rowe, Alvord	Akron, Ohio
Ruminski, David	St. Clairsville, Ohio
Runk, James	Harrisburg, Pa.
Russell, Glenn	Rehobath Beach, Del.
Samuels, Stuart	Pittsburgh, Pa.
Schindler, Alan	Pittsburgh, Pa.
Schmolze, Glenn	Glen Rock, N. J.
Schreck, Joanne	Abington, Pa.
Sebest, Gail	McKeesport, Pa.
Seeley, Bruce	Cheshire, Conn.
Selestay, Joyce	Weirton, W. Va.
Selser, Valerie	Abington, Pa.
Shannon, Newton	Wellsburg, W. Va.
Sharp, Louise	Glencoe, Md.
Sirney, Cynthia	Eglin, Fla.
Skok, Robert	Wallington, N. J.
Slater, Robert	Orange, Conn.
Smith, Robert	Wellsville, N. Y.
Smith, Roger	Pittsburgh, Pa.
Smock, Thomas	Wellsville, N. Y.
Soltz, Sheryl	Pittsburgh, Pa.
Spagnola, Charles	Pittsburgh, Pa.
Spiegel, Susan	Glen Rock, N. J.
Staeger, Arthea	Mountain Side, N. J.
Stepanic, A. John	Mt. Pleasant, Pa.
Stephens, Daniel	Dillonvale, Ohio
Stephenson, Lucinda	Natrona Heights, Pa.
Stevenson, Arthur	Bristol, Conn.
Story, K. Dianne	New Canaan, Conn.
Strauss, Carter	Wheeling, W. Va.
Stull, Robert	McMechen, W. Va.
Sutter, Florence	Tenafly, N. J.
Swager, Ronald	Westwood, N. J.
Sweeney, Barbara	Madison, N. J.
Tapley, Sarah	Winter Park, Fla.
Taylor, Cynthia	Danbury, Conn.
Tyler, Jo	Bedford Hills, N. Y.
Ulm, William	Elizabeth, Pa.
VanAs, Jacquelyn	Rochester, N. Y.
VanBaaren, Lucille	Oakland, N. J.
VanSaun, Robert	Teaneck, N. J.
Wagner, Deborah	Pittsburgh, Pa.
Wagner, Jeffrey	Pittsburgh, Pa.
Wall, Barbara	Blackwood, N. J.
Wallace, Laurie	Mineola, N. Y.
Walters, Linda	Clarence, N. Y.
Ward, Richard	Ligonier, Pa.

Warrick, George	Washington, Pa.
Wasserbach, Joyce	North Woodmere, L. I., N. Y.
Watkins, William	California, Pa.
Webb, David	Bethesda, Md.
Webb, Ian	Toronto, Ontario, Canada
Webb, Peter	Woodcliffe Lake, N. J.
Weber, Linda	Pittsburgh, Pa.
Whitaker, William	Weirton, W. Va.
Whitlock, Constance	Novelty, Ohio
Wiegand, Roy	Pittsburgh, Pa.
Wiggins, Marion	Camp Hill, Pa.
Williams, Sharon	Fairfax, Ala.
Willis, John	Morrestown, N. J.
Willis, Peter	Swarthmore, Pa.
Wilson, Linda	McKeesport, Pa.
Wilson, Ronald	Livingston, N. J.
Witthuhn, Norman	Wheeling, W. Va.
Wolcott, Daniel	New Castle, Pa.
Woodward, Richard	Massapequa, N. Y.
Wynne, Elizabeth	Towson, Md.
Yetter, James	Wilmington, Del.
Young, Stanley	Niagara Falls, N. Y.

UNCLASSIFIED STUDENTS

Angelou, Thomas	West Mifflin, Pa.
Annen, Michele	Geneva, Switzerland
Arbaugh, Bruce	Martins Ferry, Ohio
Arnold, Robert	Folcraft, Pa.
Avery, Donna	Bethany, W. Va.
Barnes, Carolyn	Bethany, W. Va.
Bihler, Don	West Liberty, W. Va.
Bliss, Wilber	Beaver, Pa.
Borda, Joseph	Toledo, Ohio
Brewster, Gail	Pittsburgh, Pa.
Buchter, Marguerite	Vaud, Switzerland
Canning, Patricia	Burgettstown, Pa.
Carty, Marjorie	Bethany, W. Va.
Clopine, Majorie	Bethany, W. Va.
Cramblet, Holly	Bethany, W. Va.
Cristo, Donald	West Hartford, Conn.
Danaher, Robert	Westport, Conn.
Edwards, Steven	Indianapolis, Ind.
Farah, Kenneth	Englewood, N. J.
Fields, Gary	Wellsburg, W. Va.
Goettmann, James	Pittsburgh, Pa.
Gray, Cordelia	Bethany, W. Va.
Guisler, Thomas	Huntington, Pa.
Hamilton, Carol	Bethany, W. Va.
Hanna, Jeffery	Bethany, W. Va.
Henderson, Susan	Wheeling, W. Va.
Hoffman, Paula	Butler, N. J.
Howarth, Terry	Pittsburgh, Pa.
Huston, Mary	Steubenville, Ohio
Irwin, Robert	Steubenville, Ohio
Kaminsky, Harriet	Bethany, W. Va.
Kemp, Karen	Bethany, W. Va.
Koch, Charles	Flint, Michigan
Koch, Judith	Flint, Michigan
Lewinger, John	Freehold, N. J.

Littman, Richard	Pittsburgh, Pa.
Lively, William	Charleston, W. Va.
MacLaren, Beth	Bethany, W. Va.
Mahan, Juanita	Bethany, W. Va.
Marsh, Judith	Summit, N. J.
McAlexander, Bruce	Bethany, W. Va.
Mead, A. Davis	Wheeling, W. Va.
Mettler, George	Hamden, Conn.
Morgan, G. Wesley	Hagerstown, Md.
Moxley, Ben	Steubenville, Ohio
Null, Walter	Salem, Ohio
Orbin, Mary	Bethany, W. Va.
Painter, Jaclyne	Washington, Pa.
Parker, John	Parkersburg, W. Va.
Pritchard, Diane	Glenshaw, Pa.
Queen, Lynn	Wellsburg, W. Va.
Rich, Peter	Wheeling, W. Va.
Shanks, Linda	Washington, Pa.
Shapira, Eric	Sherman Oaks, Calif.
Shemenski, Kenneth	Martins Ferry, Ohio
Sindela, Michele	E. McKeesport, Pa.
Smallwood, Arthur	Amityville, N. Y.
Smyth, Paul	New Milford, N. J.
Soly, Sieglinde	Bethany, W. Va.
Sonneborn, Ann	Wheeling, W. Va.
Spano, Priscilla	San Jose, Costa Rica
Sprinkle, Joseph	Pittsburgh, Pa.
Stewart, Michael	Bridgeville, Pa.
Throckmorton, Donald	Columbus, Ohio
Traver, Catherine	Ridgewood, N. J.
Tye, Jay	Bethany, W. Va.
Turnage, James	Bethesda, Md.
Valan, John	Wheeling, W. Va.
Waller, Catherine	Wheeling, W. Va.
Walters, Myron	Bethany, W. Va.
Wiggins, M. Phebe	Washington, Pa.
Willis, Joseph	Bethany, W. Va.
Worobrow, David	Wellsburg, W. Va.
Wright, Betty	Bethany, W. Va.
Wyman, William	W. Chester, Pa.

OHIO VALLEY HOSPITAL NURSES

Alexander, Mary	Toronto, Ohio
Ash, Leslie	Brilliant, Ohio
Bailey, Katherine	Chester, W. Va.
Bodrog, Marlene	Mingo Junction, Ohio
Brown, Myrtha	New Cumberland, W. Va.
Cassidy, Loretta	Weirton, W. Va.
Denger, Sharon	Mt. Pleasant, Ohio
Dickerson, Janice	Mt. Pleasant, Ohio
Ferrell, Gay	McDonald, Ohio
Flaherty, JoAnn	Brilliant, Ohio
Forsha, Sharon	Weirton, W. Va.
Gaudio, Marjorie	Follansbee, W. Va.
Goodwin, Joyce	Euclid, Ohio
Habursky, Karen	Mt. Pleasant, Ohio
Hannen, Jean	Brilliant, Ohio
Holloway, Kathleen	Bowerston, Ohio
Hunt, Linda	Newcomerstown, Ohio

Hyndman, Sharon	Hopedale, Ohio
Jablonski, Marian	Steubenville, Ohio
Jackson, Karen	Weirton, W. Va.
Jones, Benjo	Mingo Junction, Ohio
Keller, Virginia	Mingo Junction, Ohio
Kolus, Veronica	Mingo Junction, Ohio
Koza, Francine	Weirton, W. Va.
Kusma, Shirlee	Weirton, W. Va.
Laskowski, Mary	Rayland, Ohio
Lenhart, Linda	Wintersville, Ohio
Lockhart, Shirley	Amsterdam, Ohio
Luckey, Sharyn	Mingo Junction, Ohio
Macre, Margaret	Steubenville, Ohio
McAdam, Cathy	Steubenville, Ohio
Meadows, Nancy	Steubenville, Ohio
Monti, Pamela	Steubenville, Ohio
Puskarich, Linda	Bethany, W. Va.
Richmond, Debby	Weirton, W. Va.
Roudebush, Janet	Carrollton, Ohio
Trepanieski, Dorothy	Steubenville, Ohio
VanHorne, Patricia	New Rumley, Ohio
Wamsley, Janis	Mingo Junction, Ohio
Wellman, Sandra	Salem, Ohio
White, Sherry	Steubenville, Ohio

ACADEMIC YEAR

1964—1965

ENROLLMENT BY CLASSES

	Full Time		Part Time		Total
	Men	Women	Men	Women	
Seniors	86	37	8	2	133
Juniors	87	46	—	1	134
Sophomores	124	72	—	—	196
Freshmen	174	127	—	—	301
Unclassified	32	15	7	52	106
Total	503	297	15	55	870

ENROLLMENT BY STATES AND FOREIGN COUNTRIES

Alabama	1
California	4
CANADA	1
Connecticut	43
COSTA RICA	1
Delaware	4
Florida	9
FRANCE	1
Georgia	1
GREECE	1
Illinois	2
Indiana	10
IRAN	2
Maryland	21
Massachusetts	5
Michigan	4
New Jersey	140
New York	100
North Carolina	1
Ohio	121
Pennsylvania	261
Rhode Island	1
South Carolina	1
SWITZERLAND	2
Virginia	9
Washington, D. C.	4
West Virginia	121
	870

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BEQUESTS

Gifts to the college may take the form of lectureships, of scholarships, of professorships, of additions to the material equipment, or of contributions to the permanent endowment fund or the current expense fund of the college. Special conditions may, of course, be attached to any gift. Forms of bequests are suggested as follows:

A. UNRESTRICTED BEQUEST

I give, devise, and bequeath to the Trustees of the Bethany College, a corporation established by law at Bethany in the State of West Virginia, the sum of _____ dollars, to be applied to the general uses and purposes of the said institution.

B. UNRESTRICTED BEQUEST MAKING THE COLLEGE RESIDUARY LEGATEE

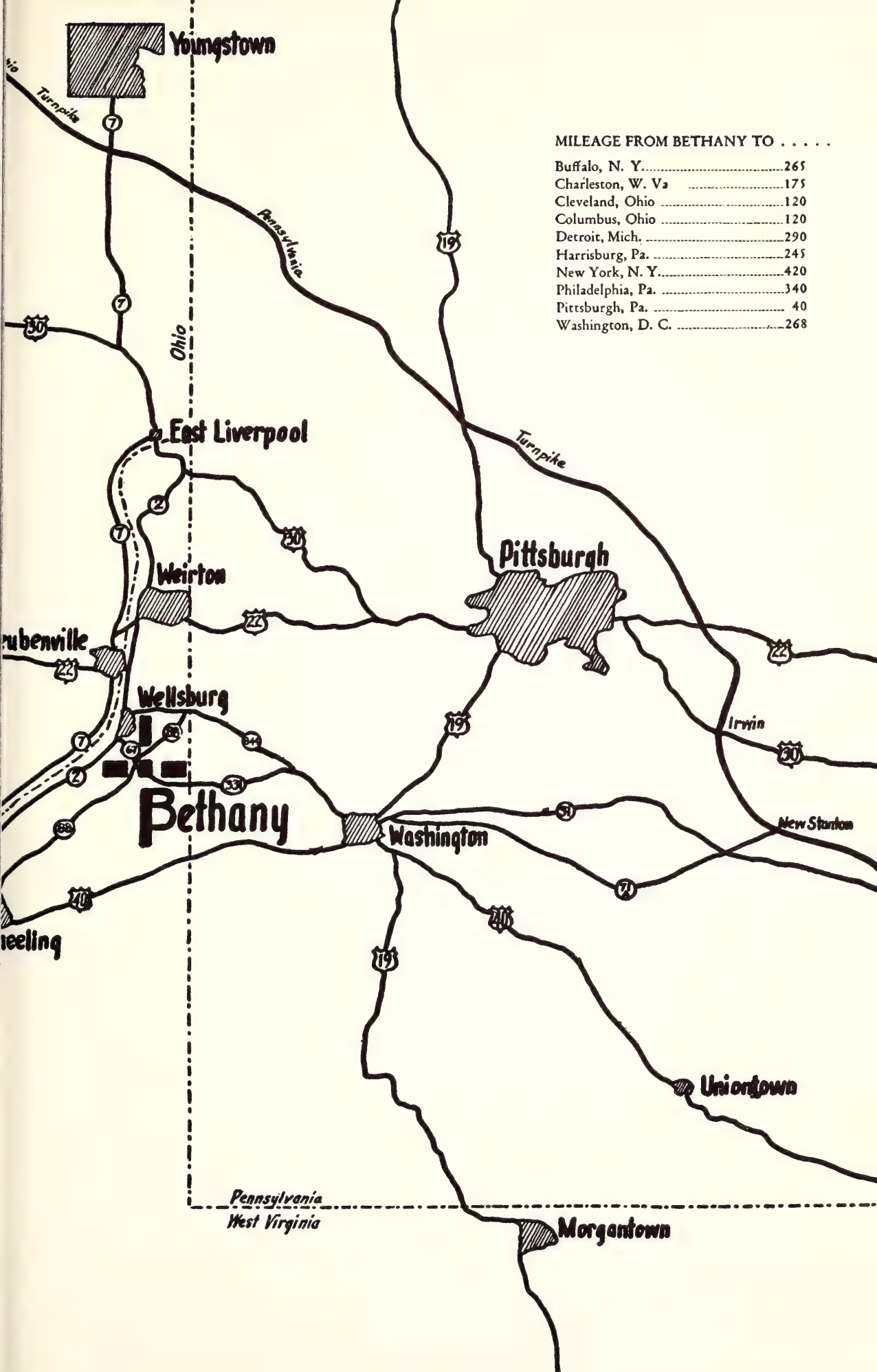
All the rest, residue, and remainder of my estate, real and personal, I devise and bequeath to the Trustees of the Bethany College, a corporation established by law at Bethany in the State of West Virginia, to be applied to the general uses and purposes of the said institution.

C. BEQUEST FOR ENDOWMENT

I give, devise, and bequeath to the Trustees of the Bethany College, a corporation established by law at Bethany in the State of West Virginia, the sum of _____ dollars to be invested and preserved inviolably for the endowment of Bethany College.



THE LAWHEAD PRESS, INC.
ATHENS, OHIO







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1966-1967

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Bethany, W. Va.

BETHANY COLLEGE

Bethany, W. Va.

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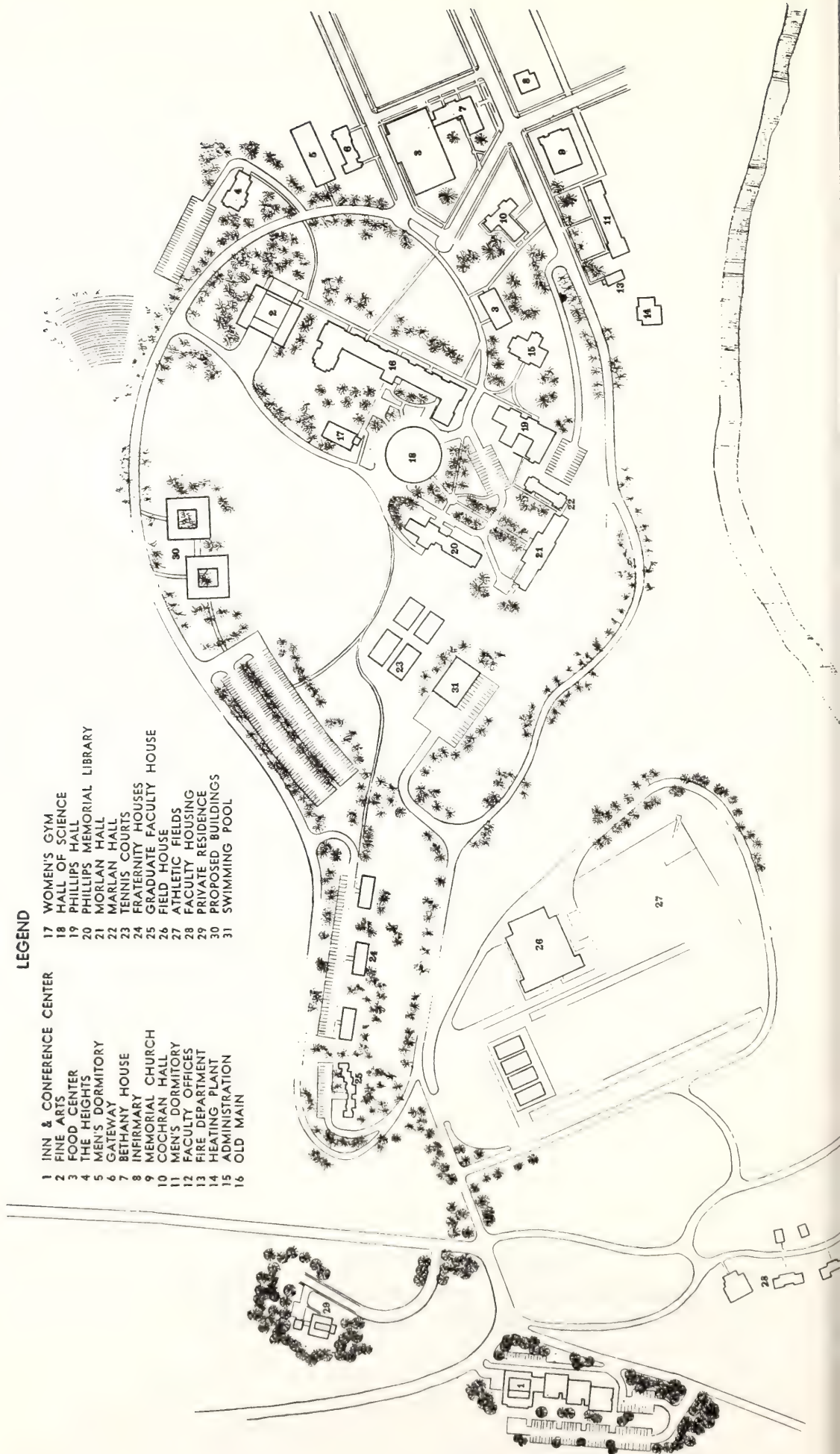
1967-1968

THE ONE HUNDRED AND TWENTY-SIXTH
ACADEMIC YEAR

CHARTERED AS A COLLEGE
MARCH 2, 1840 BY THE ASSEMBLY OF VIRGINIA
BUFFALO SEMINARY INSTITUTE IN 1818

LEGEND

- | | |
|---------------------------|------------------------------|
| 1 INN & CONFERENCE CENTER | 17 WOMEN'S GYM |
| 2 FINE ARTS | 18 HALL OF SCIENCE |
| 3 FOOD CENTER | 19 PHILLIPS HALL |
| 4 THE HEIGHTS | 20 PHILLIPS MEMORIAL LIBRARY |
| 5 MEN'S DORMITORY | 21 MORLAN HALL |
| 6 GATEWAY HOUSE | 22 MARLAN HALL |
| 7 INFIRMARY | 23 TENNIS COURTS |
| 8 MEMORIAL CHURCH | 24 FRATERNITY HOUSES |
| 9 COCHRAN HALL | 25 GRADUATE FACULTY HOUSE |
| 10 MEN'S DORMITORY | 26 FIELD HOUSE |
| 11 FACULTY OFFICES | 27 ATHLETIC FIELDS |
| 12 FIRE DEPARTMENT | 28 PRIVATE HOUSING |
| 13 HEATING PLANT | 29 PROPOSED BUILDINGS |
| 14 ADMINISTRATION | 30 SWIMMING POOL |
| 15 OLD MAIN | |



CORRESPONDENCE DIRECTORY

Correspondence should be addressed as indicated below:

GENERAL COLLEGE POLICY

President

ADMINISTRATIVE AND FINANCIAL MATTERS

Vice President

EDUCATIONAL AND INSTRUCTIONAL PROGRAM

Dean of the Faculty

STUDENT INTERESTS AND FINANCIAL AID

Dean of Students

BUSINESS MATTERS, STUDENT ACCOUNTS AND PURCHASING

Business Manager

ACADEMIC RECORDS

Registrar

ADMISSION

Director of Admission

ALUMNI RELATIONS

Director of Alumni Relations

DEVELOPMENT

Director of Community Relations

PUBLIC RELATIONS AND PUBLICITY

Director of Public Relations

CALENDAR

1966—1967

JUNE						
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1967-1968

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COLLEGE CALENDAR FOR 1966-1967

FIRST SEMESTER

1966

Sept. 9-10	Friday-Saturday	Faculty Seminar
Sept. 10	Saturday	Residences open to new students
Sept. 10-14	Saturday-Wednesday	Orientation and evaluation for new students
Sept. 14	Wednesday	Registration Day, ALL STUDENTS
Sept. 15	Thursday 8:00 A.M.	Classes begin for all students
Sept. 22	Thursday	Formal Convocation
Sept. 29	Thursday	Last day for re-adjustment of schedule without penalty and last day to register for full class program (12 credit hours)
Oct. 8	Saturday	Homecoming
Nov. 12	Saturday, Noon	Mid-semester grades are called
Nov. 14,15,16	Monday-Wednesday	Christian Living Emphasis Week
Nov. 23	Wednesday-Noon	Thanksgiving recess begins
Nov. 28	Monday, 8:00 A.M.	Thanksgiving recess ends
Nov. 28-Dec. 3	Monday-Saturday	Advance Enrollment for second semester
Nov. 29	Tuesday	Election to recognition societies
Dec. 3	Saturday	Modern Language Reading Test
Dec. 7-8	Wednesday- Thursday A.M.	Graduate Record Examination
Dec. 20	Tuesday	All College Christmas Party
Dec. 21	Wednesday 5:00 P.M.	Christmas recess begins

1967

Jan. 3	Tuesday 8:00 A.M.	Christmas recess ends
Jan. 7	Saturday	National Teachers Examination
Jan. 19-25	Thursday-Wednesday	Final Examinations for first semester
Jan. 29	Sunday	Residences open to new students
Jan. 29-30	Sunday-Monday A.M.	Orientation and evaluation for new students

SECOND SEMESTER

Jan. 30	Monday	Registration Day, ALL STUDENTS
Jan. 31	Tuesday 8:00 A.M.	Classes begin for all students
Feb. 9	Thursday	Formal Convocation
Feb. 11	Saturday	Last day for re-adjustment of schedule without penalty and last day for registration for full class program (12 credit hours)
March 2	Thursday	Founder's Day
March 6-11	Monday-Saturday	Fine Arts Festival
March 10	Friday	Election to recognition societies
March 17	Friday	Sophomore Comprehensive Exam- ination (Required of all Sopho- mores)
March 18	Saturday	National Teachers Examination
March 22	Wednesday 5 P.M.	Mid-semester grades are called
March 22	Wednesday 5 P.M.	Spring recess begins
April 3	Monday 8:00 A.M.	Spring recess ends
April 3-4	Monday-Tuesday	Minister's Workshop and Oreon E. Scott Lecture
April 13	Thursday	Honors Day
April 17-22	Monday-Saturday	Advance Enrollment 1967-1968
April 22	Saturday	Modern Language Reading Test
April 27-28	Thursday-Friday	Political Science Seminar
May 6	Saturday	May Morning Breakfast for Col- lege Women
May 11	Thursday	Reading Period Begins for Seniors
May 12,13,14	Friday-Sunday	Spring Festival
May 14	Sunday	Mothers' Day
May 22-26	Monday-Friday	Senior Comprehensive Examina- tions
May 29-June 2	Monday-Friday	Final Examinations for Second Semester
June 1	Thursday	Faculty Meeting
June 2	Friday	Annual Meeting of Board of Trustees
June 3	Saturday	Alumni Day and 126th Annual Commencement

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PERRY EPLER GRESHAM, *President of the College on the M. M. Cochran Foundation.* (1953).

A.B., B.D., Texas Christian University; LL.D., Texas Christian University; Litt. D., Culver Stockton College; L.H.D., Chapman College; D.Ed., Transylvania College; University of Chicago; Columbia University; Litt. D. University of Cincinnati.

WARNER G. PETERSON, *Executive Vice-President* (1952).

A.B., Allegheny College; Ohio State University. LL.D., Findlay College.

JOHN R. SALA, *Dean of the Faculty* (1965).

A.B., Bethany College; M. A. West Virginia University; Ph.D. University of Chicago; University of Missouri; Union Theological Seminary.

PEARL MAHAFFEY, *Professor of Foreign Languages Emeritus.* (1908-1949).

A.B., Miami University; A.M., Columbia University; Litt. D., Bethany College; McGill University; University of Paris; National University of Mexico.

ANDREW LEITCH, *Sarah B. Cochran Professor of Psychology Emeritus.* (1920-1956).

A.B., A.M., Butler College; B.D., Ph.D., Yale University; D.D., Butler University; Columbia University; University of Chicago; University of Pennsylvania; Harvard University.

HARRY LAWRENCE ICE, *Director of Ministerial Training and Professor of Religion Emeritus.* (1944-1954).

A.B., A.M., Bethany College; Ph.D., George Washington University; D.D., Bethany College.

DANIEL SOMMER ROBINSON, *Professor of Philosophy Emeritus.* (1954-1958).

A.B., Butler College; A.M., Yale University; Ph.D., Harvard University; Litt. D., Marietta College; University of Breslau.

*OSBORNE BOOTH, *T. W. Phillips Professor of Old Testament Emeritus.* (1929-1964).

A.B., Hiram College; B.D., Ph.D., Yale University; University of Chicago.

MARGARET ROBERTS WOODS, *Associate Professor of Foreign Languages Emeritus.* (1943-1961).

A.B., Wellesley College; A.M., Pennsylvania State University; Middlebury College; Columbia University; Colorado College; University of Besancon; University of San Luis Potosi.

WINIFRED WEBSTER (MRS.), *Dean of Women and Instructor in English Emeritus.* (1952-1960).

A.B., University of North Dakota; A.M., Columbia University.

*Deceased 1966

- WILBUR HAVERFIELD CRAMBLET, *Distinguished Service Professor of Mathematics*. (1917).
A.B., A.M., Bethany College; A.M. Ph.D., Yale University; LL.D., University of Pittsburgh; D.D., Drake University; LL.D., Culver-Stockton College; Litt.D., Texas Christian University.
- BERNAL ROBINSON WEIMER, *Distinguished Professor of Biology*. (1921).
A.B., A.M., West Virginia University; Ph.D., University of Chicago.
- JOHN J. KNIGHT, *Professor of Physical Education and Chairman of the Department*. (1930).
A.B., West Virginia Wesleyan College; A.M., Ohio State University; University of Michigan.
- BENJAMIN CHANDLER SHAW, *George T. Oliver Distinguished Professor of History and Political Science* (1935).
A.B., Rollins College; A.M., Ph.D., University of North Carolina; American Academy in Rome; Royal University, Perugia, Italy.
- EARL D. MCKENZIE, *Professor of Foreign Languages and Chairman of the Department*. (1937).
A.B., Brown University; A.M., Columbia University; M. Litt., Ph.D., University of Pittsburgh; University of Frankfurt am Main; Yale University; University of Paris.
- HELEN LOUISE MCGUFFIE, *Professor of English and Chairman of the Department*. (1947).
A.B., Bethany College; A.M., University of Pittsburgh; Ph.D. Columbia University.
- JOHN DANIEL DRAPER, *Professor of Chemistry and Chairman of the Department*. (1951).
B.S., Franklin and Marshall College; Ph.D., University of Maryland; Michigan State University.
- ROBERT ASHER PRESTON, *Professor of Religion and Chairman of the Department*. (1955).
A.B., Texas Christian University; A.M., University of Chicago; Ph.D., University of Pittsburgh; Washburn University; Menninger School of Psychiatry; Yale University.
- WILBERT SCOTT RAY, *Professor of Psychology and Chairman of the Department*. (1956).
A.B., Washington and Jefferson College; A.M., Ph.D., University of Wisconsin.
- JAMES W. CARTY, JR., *Professor of Journalism and Director of Public Relations and Publications*. (1959).
A.B., Culver-Stockton; B.D., University of Chicago; M.S., Northwestern University; University of Oklahoma; George Peabody College; Scarritt College; Saltillo (Mexico) State Teachers College; Diploma from National University of Nicaragua.
- JOHN A. SPENCE, *Professor of Education and Chairman of the Department, Director of the Summer School*. (1961).
B.S., in Ed., M.A., Ph.D., Ohio State University.
- HSIOH-REN WEI, *Professor of Physics and Chairman of the Department*. (1963).
B.A., University of Nanking; Ph.D., University of Chicago.

- H. DONALD DAWSON, *Professor of Chemistry*. (1963).
B.Sc., Denison University; M.Sc., Ph.D., Ohio State University.
- BRADFORD TYE, *Associate Professor of Mathematics and Chairman of the Department*. (1943).
B.S., Alma White College; M.S., New York University; Rutgers University; Columbia University; University of Pittsburgh.
- GEORGE K. HAUPTFUEHRER, *Associate Professor of Music and Chairman of the Department*. (1945).
A.B., B.M., Friends University; A.M., University of Kansas; Pittsburgh Musical Institute; Juilliard School of Music; Indiana University.
- S. ELIZABETH REED, *Associate Professor of Physical Education*. (1945).
A.B., Muskingum College; M.Ed., University of Pittsburgh; University of Wisconsin; New York University; University of Wyoming; University of Southern California; University of Michigan.
- WILLIAM LEWIS YOUNG, *Associate Professor of History and Political Science, and Acting Chairman of the Department*. (1950).
A.B., Bethany College; A.M., Ohio State University; Columbia University.
- MARGARET MATHISON, *Associate Professor of Education*. (1951).
A.B., M.Litt., University of Pittsburgh; University of Southern California; Pennsylvania State University; Ohio State University.
- JOHN RAYMOND TAYLOR, *Associate Professor of English*. (1955).
A.B., Bethany College; M.A., Princeton University; University of Akron; University of Kansas; University of Birmingham, England; University of Edinburgh.
- ROBERT H. SYKES, *Associate Professor of English*. (1956).
A.B., West Liberty State College; M.A., University of Pennsylvania; Ph.D., University of Pittsburgh.
- SHIRLEY GADDIS, *Associate Professor of Chemistry*. (1959).
A.B., M.S., University of Iowa; Ph.D., University of Missouri; University of Chicago; University of Illinois; Columbia University.
- BARRIE RICHARDSON, *Associate Professor of Economics and Chairman of the Department; Assistant Dean of the Faculty*. (1962).
B.A., Carleton College; M.B.A., D.B.A., Indiana University; University of Colorado.
- EMIL VAJDA, *Associate Professor of Sociology and Chairman of the Department*. (1965).
B.Sc., University of Wisconsin; A.M., University of Chicago; Ph.D., University of Chicago.
- KENT K. MGALEXANDER, *Assistant Professor of Art and Chairman of the Department*. (1959).
A.B., B.F.A., Washburn University; M.A., Ohio State University; University of Kansas; John Herron Art Institute; Carnegie Institute.
- JERRY LEE JONES, *Assistant Professor of Economics and Business Manager*. (1959).
B.S., M.S., University of Tennessee; Case Institute of Technology.

- ROBERT GARNER GOIN, *Assistant Professor of Physical Education*. (1960).
A.B., Bethany College; M.S., West Virginia University.
- JOHN J. CLOPINE, *Assistant Professor of Library Science and Director of the Library*. (1963).
A.B., Bethany College; M.S. in L.S., Catholic University of America.
- ROBERT EDWARD MYERS, *Assistant Professor of Philosophy*. (1964).
A.B., Bethany College; B.D., Texas Christian University; Ph.D., Ohio State University.
- RICHARD BRUCE KENNEY, *Assistant Professor of Religion*. (1964).
A.B., Washington University; B.D., Yale University; M.A., Yale University.
- CARL L. SCHWEINFURTH, *Assistant Professor of History and Political Science*. (1964).
B.S., University of Oregon; M.A., University of Florida; Ph.D., Southern Illinois University.
- ROBERT A. PATSIGA, *Assistant Professor of Chemistry*. (1964).
B.S., Geneva College; Ph.D., Syracuse University.
- GARY E. LARSON, *Assistant Professor of Biology and Acting Chairman of the Department*. (1964).
B.S., M.S., New York State University, Albany; Ph.D., Rutgers University; Albany Medical College.
- PAUL ROGER ERRINGTON, *Assistant Professor of Physics*. (1965).
M.S., Ph.D., West Virginia University.
- HIRAM J. LESTER, *Assistant Professor of Religion*. (1965).
A.B., B.D., Phillips University; M.A., Yale University; Johnson Bible College.
- JOHN U. DAVIS, *Assistant Professor of Education* (1966)
A.B., Bethany College; M.A., Columbia University, Ed.D., Columbia University.
- ROBERT J. PRESBIE, *Assistant Professor of Psychology* (1966)
B.A., University of Connecticut; M.S., Tulane University; Ph.D., Tulane University.
- JAMES J. SAWTELL, *Assistant Professor of Biology* (1966).
B.A., Lake Forest College; M.A., Western Michigan University, Ph.D., Rutgers, The State University.
- JACK WELCH, *Assistant Professor of English* (1966).
B.A., West Virginia University; M.A., University of Iowa.
- SUSAN WORTHEN HANNA, (MRS.), *Instructor in Health and Physical Education*. (1957).
A.B., Bethany College; Marjorie Webster School of Physical Education.
- JAMES EDWARD ALLISON, *Instructor in Mathematics*. (1964).
B.S., Bethany College; M.A., West Virginia University.
- ALBERT R. DEVAUL, *Instructor in Music*. (1964).
A.B., West Liberty State College; M.M. West Virginia University.
- HERBERT L. DRINNON, *Instructor in Dramatics*. (1964).
B.A., Berea College; M.A., University of North Carolina.

- W. KIRK AVERY, *Instructor in English*. (1964).
B.A., Bethany College; M.A., Columbia University.
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A.B., University of Colorado; A.M., Ohio State University.
- GLENN A. LONG, *Instructor in Art*. (1964).
B.F.A.; M.F.A., Ohio University.
- THOMAS A. GRALL, *Instructor in Physical Education*. (1964).
B.S., Springfield College; Westfield State College.
- JOHN D. DAVIS, *Instructor in Economics*. (1965).
A.B., American International College; A.M., University of Connecticut.
- MARJORIE TUFTS CARTY, (MRS.), *Instructor in Foreign Languages*. (1965).
Ph.B., University of Chicago; Clark University, State Teachers College, Saltillo, Mexico; University of Nicaragua; Bethany College.
- ROBERT E. SHOUP, *Instructor in Sociology*. (1965).
A.B., Juniata College; B.D., United Seminary; A.M., Temple University; University of Pittsburgh.
- JOHN E. WINTERS, *Instructor in English*. (1965).
B.S., Frostburg State College; M.A., West Virginia University.
- SUE ELLEN FREDERICH, *Instructor in Foreign Languages*. (1965).
A.B., Indiana University; A.M., University of Michigan.
- THEODORE W. CUNNINGHAM, *Instructor in Foreign Languages*. (1965).
A.B., A.M., Kent State University; Universität Göttingen.
- THEODORE K. KIMPTON, *Instructor in Foreign Languages*. (1965).
B.S., West Point Military Academy; A.M., University of Maryland; Catholic University.
- THOMAS L. ACKERMAN, *Instructor in Physical Education* (1966).
B.A., West Liberty State College
- W. RANDOLPH COOEY, *Instructor in Economics* (1966).
B.A., Bethany College; M.A., West Virginia University.
- DON JENNINGS HALL, *Instructor in Biology* (1966).
B.A., Washington and Jefferson College; M.S., Ohio University.
- DAVID LYNN C. HOBE, *Instructor in Journalism and Editorial Associate in Public Relations* (1966).
B.A., Bethany College; M.A., West Virginia University.
- WILLIAM G. LOVELADY, *Instructor in Speech* (1966).
B.A., Cornell University; M.A., Cornell University.
- HEDI MIZOUNI, *Instructor in Foreign Languages* (1966)
B.A., Washington University; M.A., The University of Western Ontario, Canada.
- ANDREW MOSKOVITS, *Instructor in Foreign Languages* (1966).
B.A., Kent State University; M.A., Kent State University.

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- C. WILLIAM O'NEILL, *Distinguished Lecturer in Public Affairs*. (1959).
A.B. Marietta College; LL.B., Ohio State; LL.D., Defiance College;
LL.D., Ohio University; LL.D., Miami University (Ohio); LL.D.,
College of Steubenville; LL.D., West Virginia University; LL.D.,
Marietta College; LL.D., Heidelberg College; LL.D., Wilberforce
University.
- DON GILLIS, *Consultant in Music*. (1963).
A.B., B.Mus., Dr. Mus., Texas Christian University; M. Mus.,
North Texas Teachers College.
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B.M., Louisiana State University; M.M., Cincinnati College—Con-
servatory of Music.

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- WILMA M. SHANER, (MRS.), *Part-time Instructor in Biology*. (1950).
A.B., Bethany College.
- LUCILE BYRD SHAW, (MRS.), *Assistant to the Librarian*. (1955).
A.B., Woman's College of the University of North Carolina; B.L.S.,
Carnegie Institute of Technology; Cornell University.
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A.B., Ohio Wesleyan University.
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A.B., Bethany College.
- LEVERING C. BONAR, *Lecturer in Education*. (1962).
A.B., Marshall University; M.A., University of Pittsburgh; West Lib-
erty State College; Carnegie Institute of Technology; West Virginia
University.
- J. JEFFERSON HAMILTON, *Chaplain* (1962).
B.A., Phillips University; B.D. Yale University; St. Andrews Univer-
sity.

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1966-67

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TEACHER EDUCATION REVIEW COMMITTEE

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TESTING

Mr. Sandercox, Chairman; Mr. Sala, Mr. Kurey, Miss Gordon, Mr. Myers, Mrs. Avery.

SCHEDULE

Mr. Sala, Chairman; Mr. McKenzie, Mr. Richardson, Mr. Taylor, Mr. Preston. *Ex-officio* Dean of Students, Business Manager, Registrar.

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Mr. Sandercox and Mr. Stevenson, co-chairmen; Mr. Sala, Mr. Knight, Mr. Young, Mr. McKenzie, Miss McGuffie, Mr. Draper, Mr. Preston, Mr. Ray, Mr. Tye, Mr. Hauptfuehrer, Mr. Richardson, Mr. Jones, Mr. Clopine, Mr. Patterson. Student members: Presidents of Fraternities, Sororities and House Associations.

HISTORY AND CHURCH RELATION

BETHANY COLLEGE is a private foundation chartered under the laws of the Commonwealth of Virginia on March 2, 1840. Alexander Campbell, celebrated debater, Christian reformer, and educator, wrote the Charter and provided the land for the campus as well as \$15,000 toward the first building. The first paragraph of the Charter reads as follows:

“Be it enacted by the general Assembly, That there be and is hereby created and established at or near Bethany, in the County of Brooke, in this Commonwealth, a seminary of learning for the instruction of youth in the various branches of science and literature, the useful arts, agriculture, and the learned and foreign languages.”

Campbell's idea of a college derived from his own academic experience at the Scottish University of Glasgow where he studied, and from the University of Virginia, whose founder, Thomas Jefferson, he greatly admired. As a result of these two models, the new college took on the ideals and collegiate Gothic architecture of the four-hundred-year old Glasgow, and the curriculum as well as most of its first faculty from the twenty-year old University of Virginia. Campbell added his original conception of a department of sacred history which would teach the Bible on a parity with other disciplines. He defined the liberal arts as follows:

“They are called liberal arts and sciences, not merely because they free the human mind from vulgar prejudices, ignorance, and error which they certainly do; but because they are general in their character and application, and open to us an extensive acquaintance with literature, science and art; and thus furnish us with the means of extending our acquaintance with nature, society, and the Bible, to any extent commensurate with the wants of our nature and the limits of our existence.”

Bethany has continued from 1840 to the present time as a four-year private college with a self-perpetuating board of trustees. The religious body known variously as the Christian Churches, Disciples of Christ, or Churches of Christ, of which Campbell was the principal founder, has been and continues to be a significant factor in the support and encouragement of the college. The eighteenth century home where Campbell lived and the private cemetery where he lies buried are part of the property of Bethany College. The undenominational nature of the restoration movement

enables the college to exemplify the academic ideals of the Christian Churches with complete freedom from sectarian control.

When West Virginia became a separate state in 1863 Bethany continued to operate under its original charter from the Commonwealth. The general corporation laws of the new state specifically recognized the supremacy of charters previously granted by special acts of the Legislature of Virginia before the formation of the State of West Virginia. No amendments to the charter have been made. The newly formed Mountain State was indebted to Alexander Campbell for his influence in the Constitutional Convention of 1829 where the rift was started which eventuated in the wartime separation. Archibald Campbell, Wheeling publisher, who was a nephew of Alexander and a Bethany graduate, called the Convention which created the new state. The tower of Old Main at Bethany appears as one of the four historical landmarks in the rotunda of the State Capitol Building at Charleston.

The college did not discontinue classes during the War between the States. Enrollment fell to thirty-three students for the term of 1862-63, but the college bell continued to ring and classes went on without interruption. The college was officially Unionist, but most of the students were from the southern states. Great inner discipline was required of each teacher and student when the waves of martial emotion swept the nation. The aged President Campbell said, "We at Bethany, in common with all the colleges in Virginia, and indeed all the South, are almost reduced to a shadow compared with bygone days and years. Martial glory and military splendor have usurped the throne of literature, science, and religion."

A resurgence of interest in the higher learning followed the War and brought great honor to Bethany. Professor A. E. Dolbear, while a Professor of Physics at Bethany, perfected the telephone receiver and delivered an important paper on the subject of his experiments before the American Association for the Advancement of Science which met at Portland, Maine in August, 1873. Dolbear sold his patents to the Alexander Graham Bell interests at a modest figure, since his interest was in science rather than commerce. James Lane Allen came to the faculty in 1880. One of his most celebrated novels was written while he was teaching Latin at the college. The strong emphasis on the sciences and humanities was matched by the awakening interest in the social sciences. Champ Clark of Congress and Joseph Rucker Lamar of the Supreme Court were among the graduates of that period.

The financial crisis of the 1890's threatened the very life of the college. Only the courage of the teachers and officers, together with the generosity of trustees such as T. W. Phillips, Sr. and

M. M. Cochran, kept the classes going. Enrollment fell to fifty-three students in 1898, but the quality of instruction remained high in spite of unpaid salaries. In the face of such trials the faculty bravely raised entrance requirements. By the turn of the century things began to improve. New buildings began to rise through the generosity of Earl W. Oglebay, M. M. Cochran, and T. W. Phillips, Sr. Endowments developed rapidly in the twentieth century until Bethany now stands tenth among colleges of its size in the entire nation with regard to endowments.

The unbroken tradition of academic excellence was undergirded by more adequate support as the century moved on. Forty percent of the faculty held earned doctorates by 1930. Bethany was on the early list of institutions accredited by the Southern Association and on the first list of those accredited by the North Central Association when regional jurisdiction was changed. The first list of approved colleges published by the Association of American Universities included Bethany. The faculty participated in an experimental program financed by the General Education Board and directed by the University of Chicago with a view to improvement in teaching methods. Comprehensive oral and written examinations were added to requirements for graduation. Bethany has maintained a place of educational leadership while at the same time holding to the distinctive purposes which marked her foundation.

The two world wars of the present century have not changed the central concerns of the Bethany program, even though courses and arrangements were adjusted to meet the crises of the nation. A Student Army Training Corps was established in 1918, and a Navy V-12 unit operated during World War II, while the emphasis on the liberal arts and sciences was maintained in full vigor.

Bethany College has continued in the tradition of its founder with regard to equal opportunities for people of all races and backgrounds. In 1850 Mr. Campbell said that the College is "for the common cause, which knows not state, territory, lineage, blood, or policy of earth." Throughout its history people from various racial backgrounds have been represented in the student body, on its faculty, and staff.

The present faculty and student body are quite generally oriented toward the quiet ideals of learning and integrity with a fine sense of individual responsibility. A discerning visitor soon discovers substantial identity between the stated aims of the college and the present Bethany program. The hallmark of a Bethany education today is the same pursuit of truth in a context of freedom which Campbell wrote into the Charter and early bulletin of 1840.

ACCREDITATION

BETHANY COLLEGE is fully approved by regional and national accrediting agencies. The College is a member of the North Central Association of Colleges and Secondary Schools, the Association of American Colleges, the American Council on Education, the College Entrance Examination Board and the American Association of Colleges for Teacher Education.

Bethany College is recognized by many learned societies. State departments of education have approved Bethany as an institution for the training of teachers for the elementary and secondary schools.

Women graduates of Bethany College are eligible for membership in the American Association of University Women.

Bethany College is a member of the Board of Higher Education of the Disciples of Christ.

LOCATION

BETHANY COLLEGE is located in the Northern Panhandle of West Virginia, three miles from Pennsylvania, seven miles from Ohio, and thirty-five miles north of the Mason-Dixon line. Its setting in the peaceful Buffalo valley of the Allegheny foothills is semi-rural, yet accessible to the centers of culture, transportation, commerce, and industry: Pittsburgh, Pennsylvania, is an hour and ten minutes away, to the northeast; Wheeling, W. Va., thirty-five minutes to the southwest; the Wheeling airport, with taxi service to Bethany, twenty minutes away; Steubenville, Ohio, half an hour to the northwest.

FACILITIES AND RESOURCES

THE COLLEGE campus of some sixty acres is located within the corporate limits of the town of Bethany. On the crest of the hill overlooking the town are located the academic buildings, the offices of administration, the library, the residences for college women, the women's gymnasium, and the president's house. On the east slope of the main campus are the student center, infirmary, and men's residence halls, and, on the west side, the field house, the natatorium and recreational areas for both men and women.

The college lands include about thirteen hundred acres of farm and timber land adjacent to the campus area and available for use by the students. These include the Alexander Campbell Farm, the Point Breeze Farm, the Parkinson Woods and other properties. Nature trails and picnic areas have been developed in some of these areas.

BUILDINGS

Old Main, the central unit of the academic buildings of the College, was built in 1858 to replace the original building which had been destroyed by fire the previous year. The Tower at the center of this building dominates the campus and the town and is the chief architectural feature noted as one approaches the College.

Commencement Hall, completed in 1872, provides the setting for convocations, concerts, dramatic presentations and other gatherings of a general nature. Studios and classrooms for the Department of Music are located on the ground floor of this building.

Oglebay Hall, dedicated in 1912, was built by the late Earl W. Oglebay of the class of 1869. The building accommodates the Departments of Biology and Psychology, and special research laboratories.

The Richardson Hall of Science (1964), which houses the Departments of Chemistry, Physics and Mathematics is named for Bethany's first Science Professor and is one of the outstanding Science Buildings in this country. The Benedum Foundation, the Phillips Family, Halford Morlan and the Kresge Foundation made major contributions to this project.

The Phillips Memorial Library, costing approximately a million dollars, is the gift of the Phillips family of Butler, Pa. as a memorial to T. W. Phillips, Sr. and T. W. Phillips, Jr.

Cramblet Hall houses the administrative offices of the college. This building is named in honor of two former presidents of the college, Thomas E. Cramblet and his son Wilbur H. Cramblet.

Faculty Office Building was given to the College in 1947. Of semi-permanent construction, it provides offices and seminar rooms.

The Alumni Field House, built in 1948 by gifts from alumni, former students and friends of the college, provides physical education facilities for men.

The Natatorium (1966) contains an Olympic size pool. One side of the building can be opened to take advantage of good weather.

The Rine Recreation Fields were developed as a memorial to Edwin M. Rine, friend and benefactor of the College. The Rine Fields are adjacent to the Alumni Field House and include football and baseball fields, a quarter mile cinder track and an athletic field for use of college men.

The Irvin Gymnasium (1919) was a gift to the College by members of the Irvin family of Big Run, Pennsylvania. It was the physical education center for all members of the student body until 1948. Since that time it has served as the center of physical education for women. The swimming pool is in this building.

The Bethany House, completed in 1948, is the student center and houses the dining hall for men. The first floor, designated as the Bee Hive, provides an informal social center. The middle floor contains rooms for club meetings and private group dinners.

Pendleton Heights, built in 1841 by William K. Pendleton, a member of the first faculty and second president of the College, serves as the home of the President of the College.

The Infirmary contains the office of the College Physician, treatment and examination rooms, and wards for men and women.

The Outdoor Chapel is used for dramatics and other appropriate gatherings. This area, developed in cooperation with church groups in Pennsylvania and West Virginia, is also used as the site for vesper services at young people's summer conferences.

Phillips Hall (1929) is the central residence for women students. It replaced the original Phillips Hall which was a gift of Thomas W. Phillips. In addition to residence accommodations, it contains the dining room for women.

Ivabell Harlan Hall (1960) is a residence hall for upperclass women. This building was made possible by a gift from C. Allen Harlan.

Morlan Hall (1963) is a residence for women. This building was made possible by a gift from H. J. Morlan.

Cochran Hall, a men's residence, was built in 1910 by Mark M. Cochran, class of 1875, as a memorial to his son Percy B. Cochran of the class of 1900.

Campbell Hall (1956) is a modern residence housing 100 upper classmen. It was made possible by gifts from the Christian Churches of West Virginia, New York, Pennsylvania, and Ohio.

A. McLean Hall (1962) is a men's residence and Church Conference Center. The capital funds for it are being provided by contributions of the Christian Churches of West Virginia.

McEachern Hall (1963) is a men's residence and part of the Church Conference Center. The funds for it are being provided by Daniel V. McEachern and the Christian Churches of West Virginia.

Gateway Hall, located near the upper campus gates, is a residence for upperclass students.

Fraternity Houses. Six national fraternities for men maintain residences which provide housing and social facilities for their members.

Cochran Heating Plant which furnishes heat to buildings on the main campus was a gift of Mark M. Cochran in 1910.

LIBRARY

The College library contains approximately 90,000 volumes of selected books and periodicals. Supplementary services include microfilm files, microfilm readers, recordings for work in speech and literature, a circulating art collection, and a music library of albums of recorded symphonies, concertos and operas.

The library receives approximately 300 periodicals, and several metropolitan dailies and foreign language papers.

Through a program instituted by the Carnegie Library of Pittsburgh, the Carnegie Institute of Technology, and the University of Pittsburgh, the facilities of these libraries and twelve co-operating colleges in Western Pennsylvania are available to students and faculty.

Several personal libraries and collections have been received by the College. The principal parts of the libraries of Alexander Campbell, Robert Richardson, Miss A. C. Pendleton, Archibald McLean, W. S. Priest, Levi Marshall, Miss Mary I. Nichols, R. H. Wynne, Cloyd Goodnight, M. M. Cochran, Mrs. Anna Ruth Bourne, Clarence A. Hanna, Miss Florence M. Hoagland, E. Lee Perry, Galen C. Hartman, Franklin T. Baker, Andrew Leitch, Forrest H. Kirkpatrick, and W. P. Harmon are among these.

Valuable early literature of the Disciples of Christ has come from Samuel Lindsay, Rev. W. S. Good, Miss Ellen Thomas, Rev. Ben S. Ferrall, Almon B. Knowles, and others. Material related to the Disciples of Christ, together with papers and publications of historical importance to Bethany College, have been brought together in the Alexander Campbell Room located on the third floor of the library.

Special funds have been established by Anna Ruth Bourne, Galen Campbell Hartman, and the Kresge and Kellogg Foundations, for use in purchasing books for the collections.

LABORATORIES

Biology. The biology laboratories and seminar rooms, located in Oglebay Hall, provide instructional equipment for courses. Special laboratories and facilities are available for advanced students conducting independent studies.

Chemistry. Facilities for the Department of Chemistry occupy about half of the Robert Richardson Hall of Science. These include separate laboratories and stockrooms for general, analytical, organic and physical chemistry as well as for instrumental analysis including infrared and ultraviolet, spectral studies, independent study, radio-chemistry, shop work and glass working. There is available also a constant temperature room and a photographic dark room.

Adjacent to each faculty office is a private research laboratory and adjoining all offices is a departmental conference and seminar room. The chemistry library containing both journals and reference books, is housed in the science library on the first floor of the building.

Foreign Languages. The laboratories of the Department of Foreign Languages contain listen-respond-record equipment in thirty student booths, controlled by a master console capable of operating up to four different programs of tape and/or phonograph recordings simultaneously. Located at the entrance of Old Main, the laboratories are used in the audio-lingual approach to the learning of foreign languages employed at Bethany to develop the comprehensive and speaking competencies of students on the first- and second-year French, German, and Spanish courses and in the advanced conversations and methods courses. Native speakers are used to record the programs and to supervise the laboratory sessions.

Physics. The Physics Department is located on the first floor and in the basement of the Robert Richardson Hall of Science. There are new classrooms and laboratories for Physical Science and General Physics; and laboratories for advanced work in Optics, Radio, Electronics and Analytical and Quantitative Spectroscopy.

Psychology. The laboratories of the Department of Psychology, located in Oglebay Hall are equipped for work in experimental psychology, perception, mental measurements and some phases of applied psychology.

STUDIOS AND WORKSHOPS

Art. The Art Department has separate studios for drawing and painting, sculpture and ceramics. The ceramics studio is well equipped with electric kilns, wood kilns, potters wheels and spraying equipment. The sculpture studio is adapted for wood sculpture.

The Art Department exhibits one-man shows on the second floor of the Phillips Memorial Library and the gallery for student shows is available on the ground floor in Old Main.

Drama. The Theatre Workshop is located on the second floor in Old Main adjacent to the Little Theatre. The workshop and the Little Theatre provide the facilities and opportunities for scenic work and dramatic productions. The larger stage and auditorium of Commencement Hall are available for major productions of the Department of Speech and Drama.

Music. The Music Department has, on the first floor of Commencement Hall and Old Main, teaching studios, a studio-classroom, a general rehearsal room for the larger choral and instrumental groups, and individual practice rooms. Use is also made of Commencement Hall for rehearsal of very large groups—oratorio and opera productions. The organ which is used for teaching and practice is also located in Commencement Hall. Equipment includes grand pianos in the studios, the rehearsal room and Commencement Hall stage, practice console pianos in the other rooms, one two-manual harpsichord, a number of band and orchestral instruments, tape recording and phonograph equipment, and a library of choral and instrumental music. Additional listening equipment is located in the Phillips Memorial Library.

RESOURCES

The gross assets of Bethany College at the end of the fiscal year August 31, 1965, totaled \$15,105,778. In the assets, Endowment Funds are listed at a book value of \$6,690,381 and College Plant and Equipment is listed at a cost value of \$7,116,021. Other assets include loan funds, agency funds and miscellaneous items.

The College recognizes, with appreciation, the gifts of funds which not only provide lasting memorials for individuals and families but also make possible the program of a private college of quality.

The expenses of the College are met only in part by payments of students. The balance is provided by income from endowment funds and by gifts. The private college depends upon the continued support of those who believe in its program.

The named endowment funds of the College include the following:

M. M. Cochran Endowment of President's Chair	\$100,000
M. M. Cochran General	500,000
M. M. Cochran Endowment of 1923	335,768
M. M. Cochran Special Trusts	846,880
T. W. Phillips, Sr., Chair of Old Testament ...	30,000
Sarah B. Cochran Chair of Philosophy	25,000
Moninger Memorial Bible Chair	24,980
George T. Oliver Chair of History	50,000
Pearl Mahaffey Chair of Modern Languages ...	1,395
R. A. Long Chair of Mathematics	50,000
T. W. Phillips, Jr.	59,277
Anna Louise Helwig	33,557
Men and Millions	66,150
Robert MacDougald	9,210
E. M. Rine Trust (to date)	173,384
Wilson Beall Memorial	20,000
The Gans Fund for Research in Science	50,000
Miscellaneous General Endowments	672,620
The Ford Foundation	158,500
The Daniel F. Mullane Memorial	13,933
The Albert H. Hunt Memorial	36,069
David B. Steinman Memorial	25,000
Centennial Endowment Fund	2,250
C. Reid Miller	10,000
Arthur S. and Claire Holden	3,500

LIBRARY FUNDS

Michael L. Benedum	\$7,500
Thomas Bloch	1,000
Anna Ruth Bourne	12,749
Hamilton and Blanche Forman	1,000
Globe Brick, Sidney Porter	1,250
Cloyd Goodnight	3,418
Irwin T. Green	1,235
Aleece C. Gresham	1,000
Delmar S. Harder	6,840
Galen Campbell Hartman	25,615
R. L. Ireland	1,290
Jessop Steel Company	1,000

A
PICTORIAL PRESENTATION
OF



BETHANY COLLEGE

WITH EXCERPTS FROM ADDRESSES BY
PERRY EPLER GRESHAM
TWELFTH PRESIDENT OF THE COLLEGE



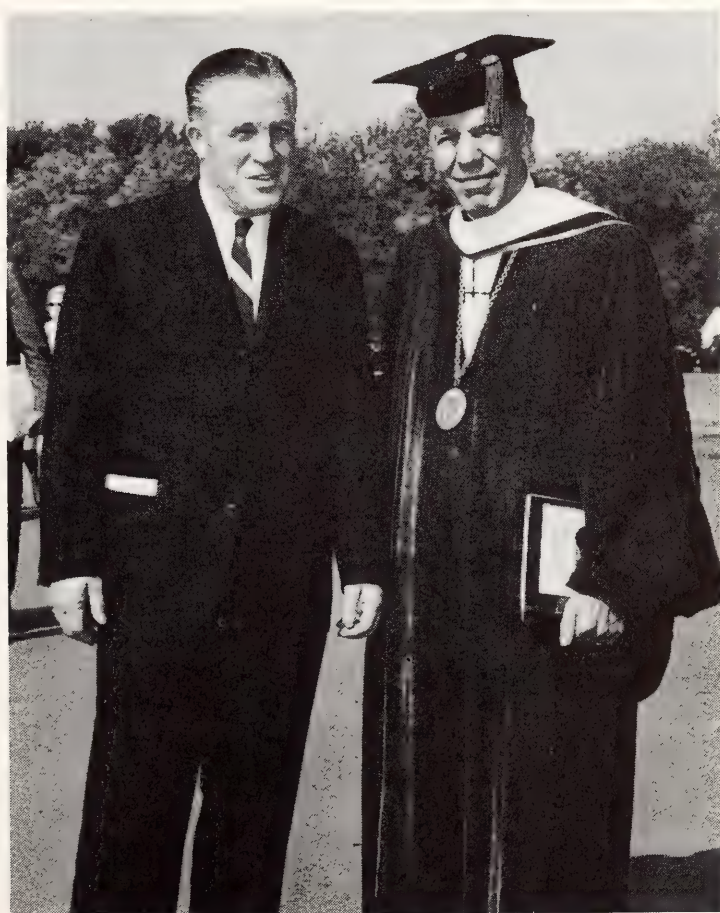
"Old Main"

"Bethany is an institution on which 'time has laid his hand' to mold and fashion for a destiny of true excellence."





Pendleton Heights



*Governor Romney
President Gresham*



Robert Richardson Hall of Science



Phillips Memorial Library



“The ideal Bethanian is primarily an intellectual who is highly motivated towards mastery of the disciplines which our culture honors. He is a free man dedicated to learning.”

*Morlan Hall
for Women*



*Campbell Hall
for Men*

*Phillips Hall
for Women*





Bethany House

"Intelligent play is essential to healthy living."



Dining Hall



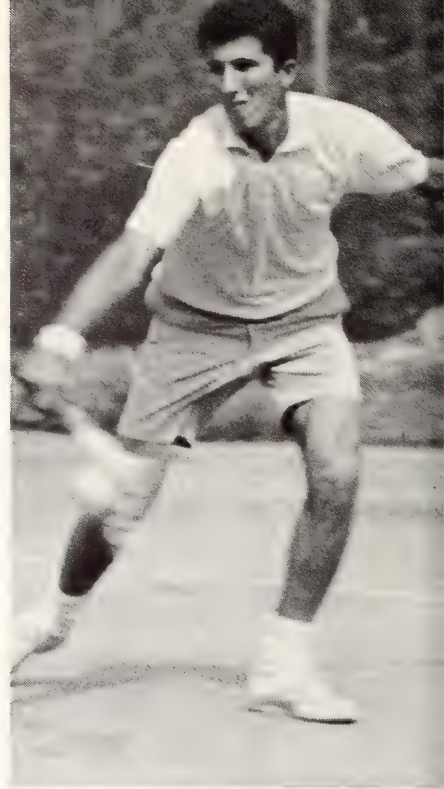
Picnic



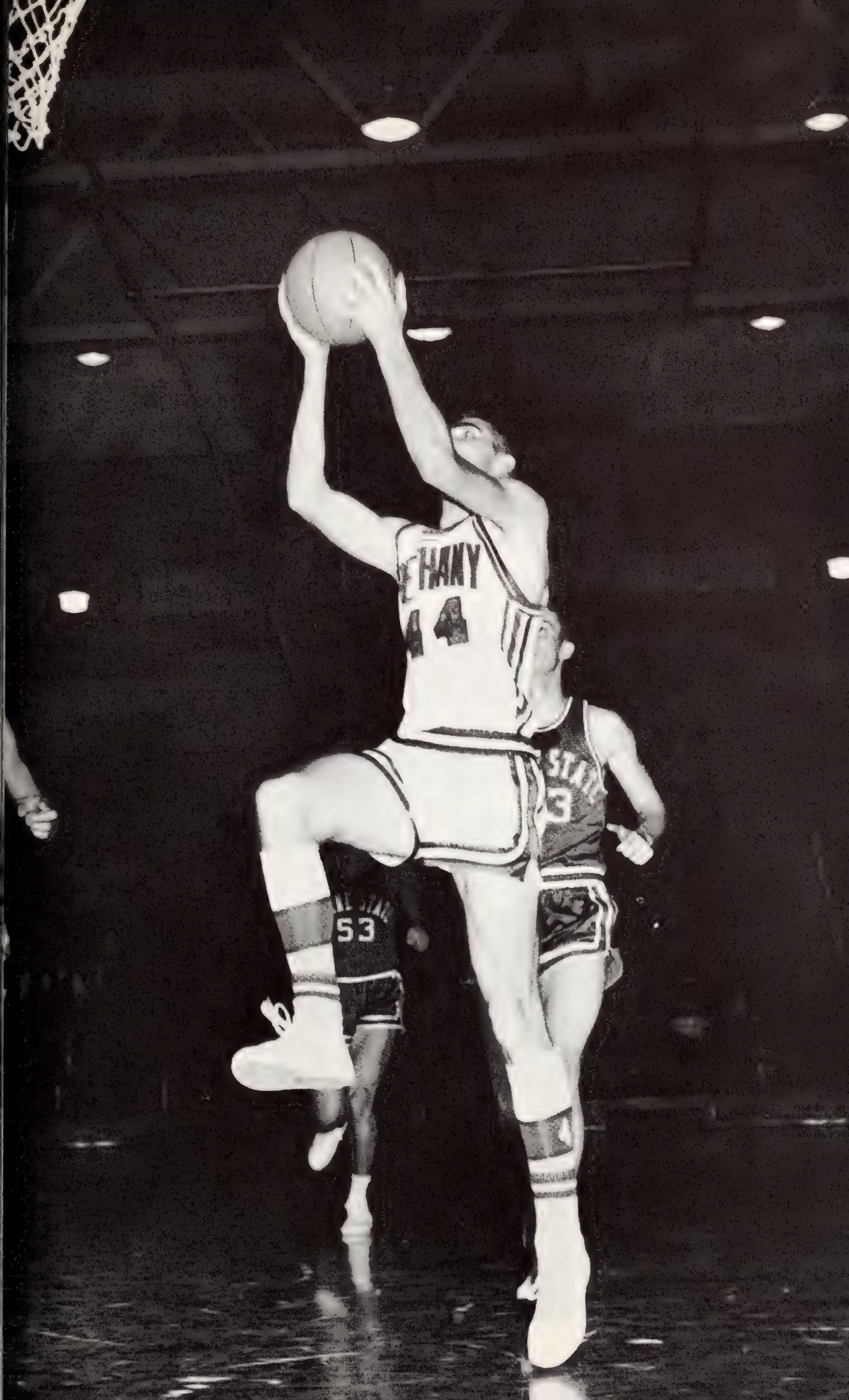
One of Six Fraternities

Contemporary civilization requires a person
 learn how to get along with people and
 to get along with himself."





"Not every Bethanian is an athlete, but each one is as physically fit as his inventory of health will allow. The playing fields of Bethany bring victories to the battlefields of the world. Only the strong can climb the campus hills."





Oratorio Choir

"Creative interest in the fine arts with such knowledge as one needs to have a cultivated taste in what is truly beautiful, belong to a liberal curriculum."



Male Chorus



*Scene from
"The Crucible"*

"Music and painting, sculpture and drama, with a host of comparable media for enjoyment, are important."



Scene from "Twelfth Night"



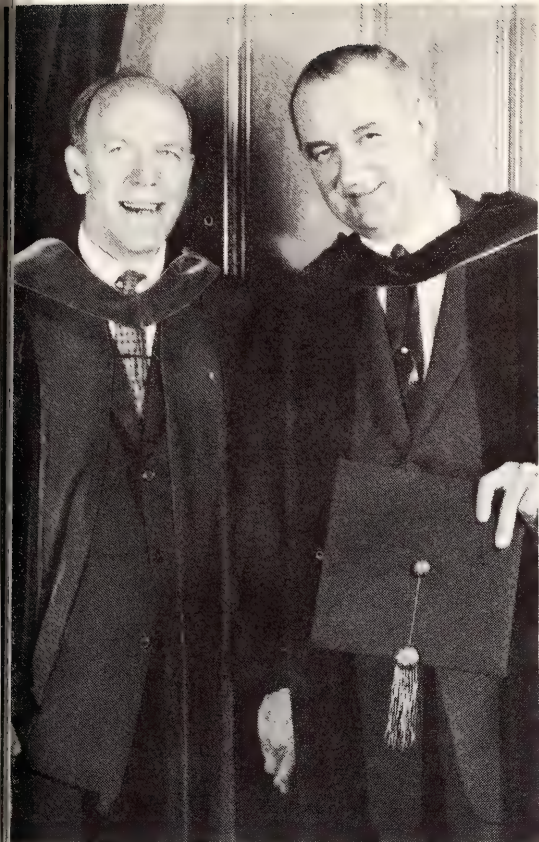
Individual Attention



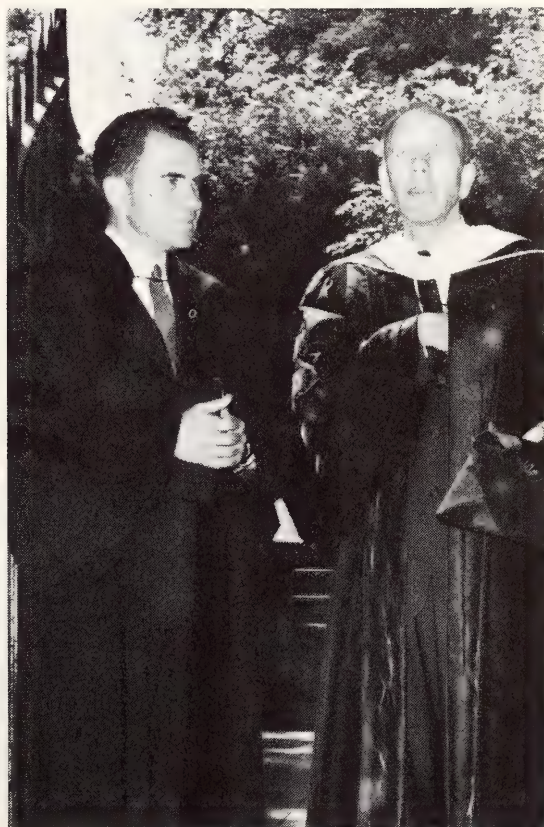
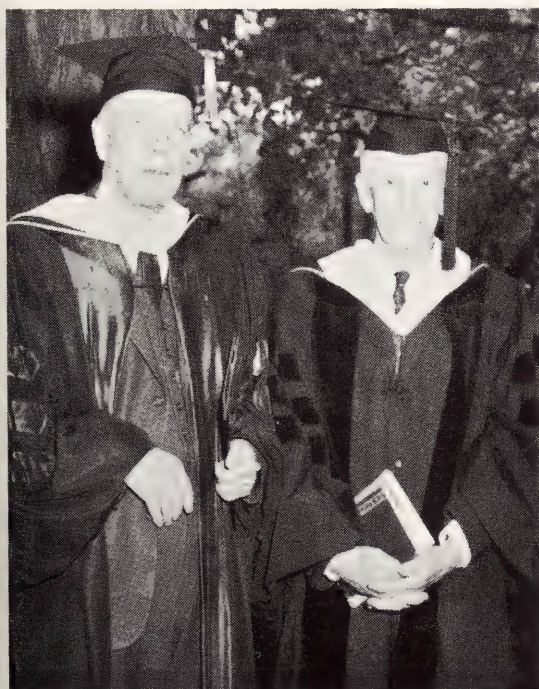
Small Classes

"The discipline of communi
is an effort to structure the
that promote mutual understand





"Enlightened participation in government and civic affairs is characteristic of a cultured man."









“Let her friends unite to extend her influence, encourage her faculties, inspire her students, and give witness to the truth she exemplifies and imparts.”



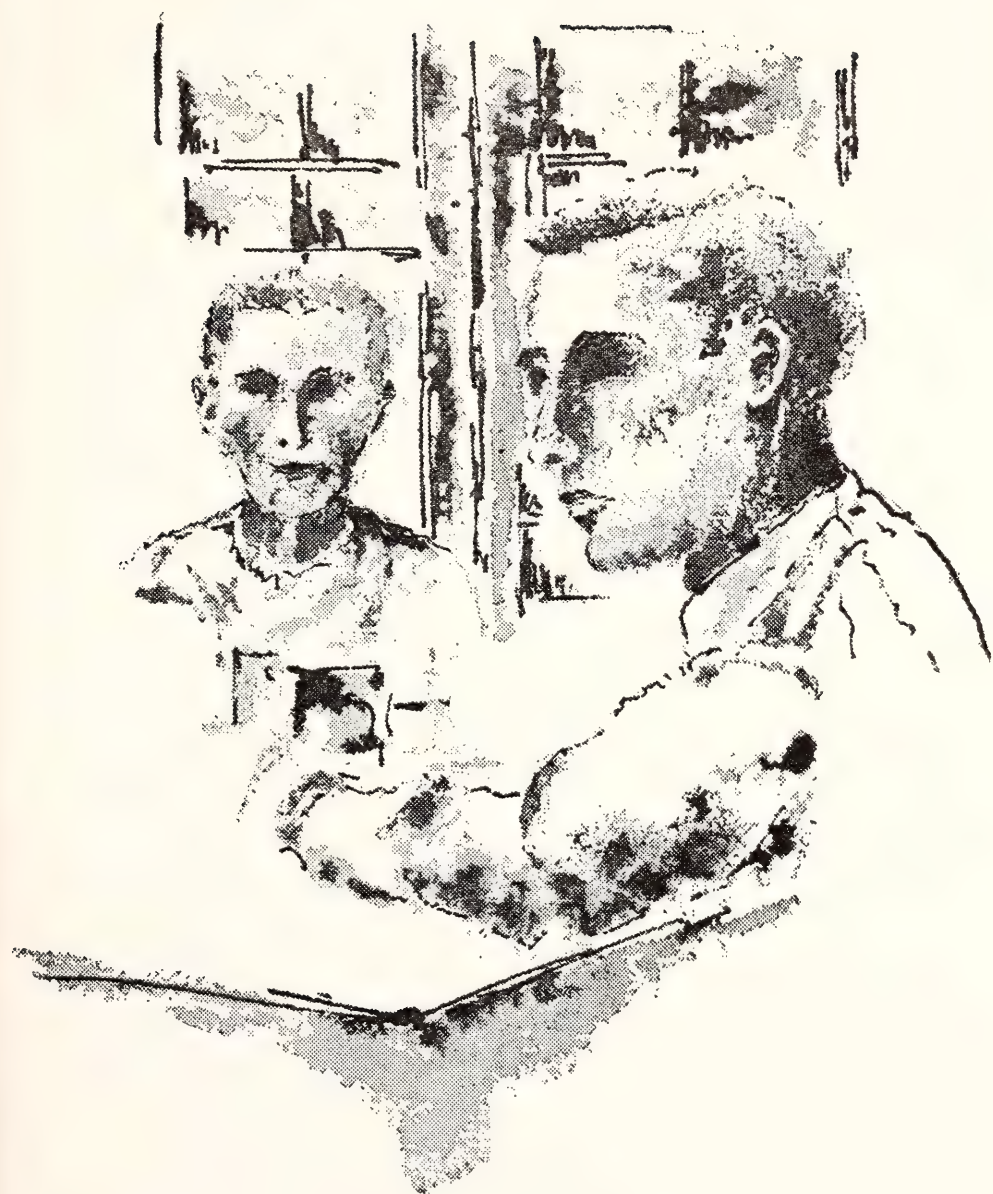
124th Commencement

Kresge Foundation	50,000
Halford Morlan	5,000
Daniel F. Mullane	1,000
H. C. Ogden	8,000
Kenneth Resseger	6,015
Weirton Steel Free Enterprise	2,500
Cyrus F. Yocum	2,565

Named Funds for Scholarship and Student Aid purposes include: (See Section on Scholarships and Financial Aids).

Mary A. Morrison	\$1,000
Isaac Mills	1,000
G. A. Willett	4,000
Isaac Brown	750
Albert C. Israel	500
Jennie Irvin Hayes	5,000
Ida Mae Irvin	5,000
Herbert Moninger	2,455
Josiah Wilson	2,576
John H. and Ida H. King	18,292
Minnie W. Schaefer	8,350
John T. Smith	17,417
William Kimbrough Pendleton	20,000
Z. T. Vinson	1,600
Florence M. Hoagland	5,915
E. Lee Perry	11,928
William H. Vodrey	28,314
Arthur C. Stifel	42,712
Campbell Allen Harlan	58,500
Perry and Aleece Gresham	10,328
Greensburg (Pennsylvania) Area	22,428
N. W. and Bessie Evans	5,000
Patrick A. and Elizabeth Berry	5,000
Forrest H. Kirkpatrick	10,623
Irene O. Darnall	3,275
Lotta A. Calkins	21,045
John E. Sugden, Jr.	2,000
Marion and Frank Dunn	2,050
Argyle Campbell	3,936
Chapman	1,550
Ministerial Training	9,007
National Campbell	15,589
H. J. Morlan	5,000
Herbert and Marguerite Rech	1,500
A. Dale Fiers	2,500
Waymon and Dorthy Parsons	10,404
Earl and Jonsie Brink	3,000

Thomas J. Boyd	1,400
Francis O. Carfer	1,406
Florence Abercrombie	22,647
Robert Hileman Lee	48,361
E. E. Roberts	1,083
J. S. V. Allen	658
Charles C. Smith	5,050
Stuart King Tweedy Memorial	10,255
Elizabeth M. Shrontz	5,000
Reader's Digest Foundation	2,500
Ada P. Bennett	1,000
Dr. and Mrs. Francis W. Hibler	10,000



THE STUDENT

ADMISSION

BETHANY COLLEGE welcomes applications for admission from all those who consider themselves qualified and are sincere in their desire to enter the College. Admission is based on a careful review of *all the credentials presented* on behalf of the candidate and is on a competitive basis. The Committee on Admission accepts those it considers best qualified among those applying. In no case does the meeting of minimum standards assure admission.

Application for admission to the freshman class should be made to the Director of Admission, Bethany College, Bethany, West Virginia. A candidate should file his application as early as possible in the year in which he seeks admission, preferably before the completion of the first half of his final preparatory year. Decisions of the Committee on Admission are mailed beginning in October and ending in April. Upon acceptance for admission, applicants are expected to make a non-refundable registration deposit of one hundred dollars within the period stipulated in the letter of admission.

CREDENTIALS FOR ADMISSION

PROGRAM OF SECONDARY SCHOOL STUDIES

A candidate for admission is expected to complete a secondary school course which gives preparation for the work of a liberal arts college. Fifteen units of academic (college preparatory) work must be presented. Although the College does not prescribe how these subjects shall be distributed, it expects a minimum of four years of English with the usual sequences in mathematics, science, foreign languages and social studies.

Applicants from public high schools should be in the upper half of their graduating classes. Candidates from private schools and other specialized schools should have college certifying grades in all subjects.

EXAMINATIONS

The College requires that all applicants take the Scholastic Aptitude Test of the College Entrance Examination Board. The test is given several times during the year at many centers throughout the world. Bethany will accept the scores from the examinations at any of the testing dates, but prefers the December or January administration of the test. Application forms for the test are usually

available at secondary schools, but they may also be secured by writing to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey.

Although not required for admission, all *accepted* applicants must present scores on three Achievement Tests (the English Composition Test and two others of the applicant's choice) for placement purposes. It is suggested that they be taken in the late spring of the senior year of secondary school.

INTERVIEW

Since Bethany is a small college and its members share a common life, the character and personal qualifications of students are of great importance. Every candidate should, therefore, have an interview if possible. Applicants who live near enough to Bethany to make the round trip in one day should arrange for an interview at the College.

The following visiting hours are suggested:

9:30-11:30 A.M.

Monday, Friday and Saturday

2:00-4:00 P.M.

Monday and Friday

Applicants living at a greater distance would profit greatly from an interview on the campus. However, if a trip to the College is not possible, an interview with an Admission officer when he is travelling in the applicant's vicinity may often be arranged.

REFERENCES

Three references from persons who know the applicant well are required. The Admission Office will write directly to the persons the applicant gives as references on his application blank.

HEALTH REQUIREMENTS

After the candidate's admission the parents and family physician will be asked to provide a medical history adequate for the understanding of any problems which arise. Each candidate must also provide evidence of having had a successful smallpox vaccination within a three year period prior to entrance.

EARLY DECISION PLAN

The Committee on Admission and Academic Review is willing to give consideration for early acceptance to any student whose first choice of colleges is Bethany. A candidate interested in applying for an early decision should submit all credentials during

the summer following the junior year. *In addition, the candidate must write a letter to the Director of Admission requesting an early decision on the basis that Bethany is the applicant's first choice.* Applicants under the early decision plan are notified of the action of the Committee on Admission during October and November of their senior year in secondary school. Applicants for early decision who are not accepted may be reconsidered in the spring on the usual admission program.

ADVANCED PLACEMENT

Entering freshman who pass the Advanced Placement Tests, given in May by the College Entrance Examination Board, are admitted with advanced standing. Information about these tests can be obtained from the College Entrance Examination Board.

Programs of advanced placement other than that of the College Entrance Examination Board may be used when evaluated by the Bethany College faculty.

Any student who feels he is sufficiently well grounded in the subject matter of any of the prescribed courses for a baccalaureate degree or in any course in another area may make application to the office of the Dean of Students to take an achievement test. The application should state the achievement test which the student desires to take on the basis of his preparation for the specific test. If the results of this test indicate sufficient mastery of the subject the prescription may be waived. Passing the achievement test will not necessarily give credit in hours toward a degree. If there is evidence of a high degree of mastery of the subject matter in the area the student may receive academic credit toward a degree.

ADVANCED STANDING BY TRANSFER

A limited number of students from other approved colleges may be admitted by action of the Committee on Admission. *All applications for admission from students for advanced standing must be accompanied by official certificates stating the nature and extent of college courses attempted or completed, and all disciplinary and academic items that belong to such a record.* Academic work ranked below "average" (grade C) will not be accepted. Not more than sixty-five hours will be allowed for courses completed in Junior College.

Some academic credit may be allowed for training courses and educational experiences in the Armed Forces according to the general pattern recommended by "A Guide to the Evaluation of Educational Experiences in the Armed Services" issued by the American Council on Education, provided such courses or ex-

periences are appropriately related to a college of liberal arts and sciences.

A student transferring to Bethany cannot be granted a degree unless he has been in attendance at the College at least during his senior year.

UNCLASSIFIED STUDENTS

A very limited number of mature students who are not candidates for a degree may be admitted to the College as "unclassified students." Approval for such enrollment will be given only if the applicant can satisfy the Committee on Admission that he can pursue the courses with profit, that he has a serious purpose in mind, and that he can meet the general requirements as to health, character and mental ability.

DISCIPLINE

The College may dismiss or suspend a student at any time when, in the sole discretion of the College, the best interests of the College or the student will be served thereby. Attendance at Bethany College shall be conclusive evidence of each student's acceptance of this principle.

COLLEGE COSTS

BETHANY COLLEGE is a non-profit institution. Tuition, fees and other general charges paid by the student cover less than three-fourths of the College's instructional and operating expenses. The balance needed to meet the instructional and general expenses of the College comes from income from endowment funds, and from gifts and contributions from alumni and friends of the College.

The College will continue to keep the cost of the student as low as possible consistent with the maintenance of adequate facilities and competent instruction.

ESTIMATED EXPENSES FOR A SEMESTER

For essential campus expenses, exclusive of such personal items as clothes, travel and amusements, and books, a student should budget from \$1150 to \$1250 a semester, viz:

Tuition and fees	\$700.00
Room	\$140.00 to \$200.00
Board	\$265.00

The College is required to collect the West Virginia Sales Tax of 3% on published charges for room and board.

The College reserves the right to change the price for room and board without advance notice.

TUITION AND FEES

The tuition and fees charge for each semester is \$700.00 for eighteen credit hours or less. For each academic hour in excess of eighteen an additional charge of \$20.00 is made. Tuition for students carrying less than thirteen hours is \$50.00 per semester hour. No reduction is made in student accounts for course changes made after the first two weeks of the semester.

While a general charge is stated for Tuition and Fees, this may be divided into \$575.00 for tuition and \$125.00 covering activities and services as follows: Athletics, Health Service, Library, Lectures, Plays, Concerts, Publications, Student Activities and Laboratory services with the exception of Music and Student Teaching.

APPLICATION FOR ADMISSION

All applications for admission should be made to the Admission office on forms supplied by the college. A non-refundable \$10.00 fee is required at the time formal application is presented.

APPLICATION FOR READMISSION

Students who have been previously enrolled in Bethany College who wish to return for additional college work must file an Application for Readmission with the Admission office. A \$5.00 fee is required at the time such application is presented.

REGISTRATION DEPOSIT

Upon acceptance for admission or readmission, a non-refundable registration deposit of \$100 is required of all students in accordance with instructions provided in the acceptance letter.

This deposit will be refunded immediately following graduation.

Students not being graduated may have the deposit applied to their account the last term of their attendance if written notice is given to the Business Office prior to the advance enrollment date for the next regular term. Such students may be readmitted by approval of the Dean of Students and the Business Manager.

MATRICULATION FEE

This fee of \$10.00 is payable once by every new student. It covers, in part, the cost of orientation and evaluation procedures for new students.

WITHDRAWALS AND REFUNDS

A student wishing to withdraw from Bethany College must file written notice with the Dean of Students to qualify for refunds of deposits and adjustment of other charges.

In case a student withdraws from college during the semester because of sickness or other causes entirely beyond his control, tuition and board are refunded on a pro rata basis figured from the end of the week in which withdrawal takes place. Students dismissed or requested to withdraw by the College are not entitled to any return of fees. Scholarships and grants are not applied on the accounts of students who withdraw before the end of the semester. Special fees are not refunded.

RESIDENCE FACILITIES

With the exception of commuters all students are required to live in college residences or fraternity houses unless excused by the Dean of Students.

The women's residences are Phillips Hall, Ivabell Harlan Hall and Morlan Hall with single, double and multiple occupancy accommodations available.

The men's residences are Campbell Hall, Cochran Hall, Gateway Hall, McEachern Hall and McLean Hall with single and double accommodations available.

Students living in college operated residences are expected to furnish bed linen, blankets, bedspreads, pillow, towels, study lamps and rugs. They are expected to care for their own rooms and to keep them clean and in good order at all times.

LINEN SERVICE

For the convenience of the student linen is supplied for \$15.00 per semester. Sheets and towels are provided each week while the College is in session.

OPERATION OF COLLEGE HALLS

Room assignments in all college residences are made by the office of the Dean of Students and are for the academic year.

Residence halls will be open for freshmen for each semester the day before Freshman Week begins and for all other students the day before Registration Day. Residence halls will be closed and students are not expected to stay in Bethany when college is not in regular session.

Bethany College reserves all rights in connection with the assignment, termination of occupancy and reassignment of rooms in all residences.

FRATERNITY AND SORORITY HOUSES

Six national fraternities and four national sororities maintain active chapters on the Bethany campus and have residence accommodations for a limited number of members.

DINING HALLS

All resident students are required to eat in college dining halls unless excused by the Dean of Students. No refunds are granted for meals missed.

MISCELLANEOUS FEES

These fees are applicable for the specific course listed. They are charged only to students enrolled in such courses.

Education 443, 475, (each hour)\$ 6.00 per semester

MUSIC FEES

Private Lessons, one lesson a week\$ 60.00 per semester
Private Lessons, two lessons a week\$110.00 per semester
Instrument Rental\$ 8.00 per semester
Organ Practice, one hour each day\$ 30.00 per semester
Piano Practice, one hour each day\$ 8.00 per semester

OTHER SPECIAL FEES

Student Board of Governors Fee\$ 9.00 per semester
Application Fee for all new students\$ 10.00
(This fee must be paid before any action
is taken on application for admission)
Application Fee for all former students\$ 5.00
(This fee must be paid before any action
is taken on application for re-admission)
Registration Deposit (see page 37)\$100.00
Auditing a course, per semester hour\$ 20.00
(A student is not charged if he is paying
regular tuition and fees and the total program,
including the audit, does not exceed 18 hours)
Comprehensive Examination\$ 25.00
(For students not in residence or for special
examination)
Each academic hour when less than thirteen ..\$55.00 per semester
Each academic hour in excess of eighteen ...\$20.00 per semester

Each change in registration after registration day	\$ 2.00
Graduation Fee	\$ 15.00
Guidance and advisory service (pre-college) ...	\$10.00 to \$ 25.00
Health Insurance	\$12.00 per semester
Infirmary charge per day	\$ 4.00
(After first three days each semester)	
Late registration (per day)	\$ 3.00
Matriculation Fee	\$ 10.00
Special Examinations in any department	\$ 10.00
Special placement or achievement test in any department	\$ 5.00
Transcript fee for transcript or copy of academic record (After first issue)	\$ 1.50
Lock Deposit for Physical Education Courses	\$ 5.00
(Refunded if the lock or key is returned to Physical Education Department)	
Key Deposit for Dormitories	\$ 5.00
(Refunded if returned)	
Linen (per semester)	\$ 15.00

BREAKAGE AND GUARANTEE DEPOSITS

These deposits are made to cover actual costs of special services materials.

Biology 230	\$ 7.00 per semester
Biology 343	\$ 5.00 per semester

Chemistry and Physics breakage and guarantee deposits are covered by a \$5 breakage card purchased by each student each semester for each laboratory course in which he is enrolled. In the event the breakage is in excess of \$5 per course per semester, an additional \$5 breakage card must be purchased. Unused portions will be refunded at the end of each academic year.

BETHANY COLLEGE STUDENT DRAWING ACCOUNT

The Business Office provides a limited banking service whereby students may deposit funds and draw on them as required. Students or their parents may make deposits to the Student Drawing Account.

The only charge for this service is at the established rate of exchange for handling checks. Its use is recommended. This avoids the necessity of the student's keeping on hand any substantial amount of money.

All checks must be made payable to the Bethany College Student Drawing Account.

PAYMENT OF STUDENT ACCOUNTS

At the time of registration an invoice is prepared for each student, listing all charges due the College for the following semester. Payments are due in accordance with the following:

First Semester

By September 1 a payment of\$650
Balance on account due November 1.

Second Semester

By January 15 a payment of\$650
Balance on account due March 15.

Scholarships and awards may not be used as credit against this requirement; however, completed loan agreements may be. All special student accounts for which total semester charges are \$650.00 or less are payable in full at registration.

Students will not be permitted to register if the initial payment requirements for each semester are not met, and they may be denied College privileges if subsequent payments are not completed as scheduled. *These requirements are in addition to the registration deposit.*

Checks or drafts should be written payable to Bethany College.

An account service fee of 2% per month will be charged on balances outstanding on all student accounts as of November 1 for the first semester and March 15 for the second semester. This fee will be entered on all accounts the day following the above dates and at 30-day intervals thereafter for a period not to exceed 90 days.

Students may not take final examinations, receive academic credit or obtain transcripts or grades until satisfactory arrangements are made to cover financial obligations.

MONTHLY PAYMENT PLANS

The College has made arrangements with the Insured Tuition Payment Plan, Education Funds, Inc., and The Tuition Plan, Inc. whereby student accounts may be paid on a monthly basis during the year. Arrangements to use any of these plans should be made prior to the registration period. Information concerning these may be obtained by writing to the Business Office, and contract forms may be obtained by writing the Insured Tuition Payment Plan, 38 Newbury Street, Boston, Massachusetts 02116; Education Funds, Inc., 10 Dorrance Street, Providence, Rhode Island 02903, The Tuition Plan, Inc., One Park Avenue, New York, New York 10016. Contracts are to be completed by the parent or guardian of the student by direct negotiation with the payment plan offices indicated.

FINANCIAL AIDS

BETHANY COLLEGE provides limited financial assistance to promising and deserving students through scholarships and loans to the extent that designated funds permit. There are also limited opportunities for student employment.

Candidates for admission to the freshman class who wish to apply for any form of financial aid *must* submit the *Parents' Confidential Statement* to the College Scholarship Service, Box 176, Princeton, New Jersey *prior to February 1st* for evaluation and submission to our Admission Office. No special examinations are required of financial aid applicants but candidates for scholarships must take the College Board Scholastic Aptitude Test not later than December of the applicant's senior year, since no applicant will be considered for assistance until accepted for admission. College Scholarship Service forms will be available in secondary schools on October 1, 1965.

Financial aid cannot be given to all who apply, but students of ability who need assistance are encouraged to apply. So many students with genuine need and without other resources ask for help from the College that those who can obtain help from friends or relatives should do so. The Committee makes awards on the basis of academic accomplishments, constructive citizenship, and financial need. Major awards include all types of financial aid: scholarship, grant, loan and employment. Except for employment awards are credited against college charges.

SCHOLARSHIPS

Bethany College recognizes promise and intellectual attainment by awarding a number of scholarships. These awards vary in value and are available to a limited number of entering students. Most scholarships are awarded to freshmen on a four-year basis, but they are subject to review and continuation or cancellation at the end of each year. They are continued from year to year only if the recipient has met the following conditions:

1. A satisfactory scholarship index.
2. Satisfactory conduct as a student.
3. Worthwhile contributions to the college program.
4. Constructive citizenship in the college community.
5. Payment of student accounts as scheduled.

LOAN FUNDS

The Phillips Loan Fund was established in 1890 by the gift of Thomas W. Phillips, Sr., of New Castle, Pennsylvania, in the amount of \$10,000. Principal and interest in this fund are loaned to students preparing for the Christian Ministry.

The Claude Worthington Benedum Scholarship Loan Fund was established by the Claude Worthington Benedum Foundation. Loans from this fund are made to Bethany students who are bona fide residents of West Virginia, are in need of financial aid, and meet requirements for such assistance as established by the faculty.

The National Defense Student Loan Fund. The Federal Government established in 1959 a loan program for undergraduate students in which Bethany College participates. Application information may be obtained from the Admission Office or the Business Office.

Applications for loans are made to the Committee on Scholarships and Financial Aids.

STUDENT EMPLOYMENT

Limited opportunities for students to earn money for college expenses are afforded, but under no circumstances is it possible for a student to earn all of his expenses. The College may not be able to provide student employment of any kind beyond \$250 as a total for any one year.

Applications for student employment are filed on a designated form. A careful study of the student's needs and general welfare will be made by the committee caring for student employment as each application is considered. Applications for student employment should be filed with the Dean of Students.

MINISTERIAL TRAINING AWARDS

Students who are preparing for a church vocation in the fields of ministry, religious education, missions, etc., may be able to receive financial aid through grants that are made possible by contributions from churches and individuals. This program is under the supervision of the Director of Ministerial Training. It is provided primarily for those who are preparing for a church vocation with the Christian Churches (Disciples of Christ). Some financial assistance is available to those preparing for this type of service with other religious groups. Continuation of these awards requires satisfactory academic performance in each academic year.

THE GANS FUND AWARDS

Income from a fund of \$50,000, established by Wickliffe Campbell Gans of the Class of 1870 and Emmett W. Gans, in memory of their father and mother, Daniel L. and Margaret Gordon Gans, is awarded to juniors and seniors at Bethany College and to graduates of Bethany College engaged in study and research at Bethany or elsewhere who have shown "evidence of merit and promise in the field of science." Funds so awarded will be available for approved study and research in some specific field.

SCHOLARSHIP FUNDS

The College recognizes, with appreciation, the gifts of specially designated funds which not only provide lasting memorials for individuals and families, but also make possible scholarship grants to undergraduates who otherwise would find it difficult to enter or remain in college.

The following scholarships have been specially designated by friends of the College and are part of the total resources available for financial aid to students:

Mary A. Morrison Scholarship—This is a scholarship covering part of the cost of tuition.

Isaac Mills Scholarship—This scholarship covers a part of the tuition charge of a ministerial student.

G. A. Willett Scholarship—This scholarship of \$80 per semester applies on tuition. The student receiving this scholarship is to be nominated by a member of the Willett family.

Isaac Brown Scholarship—This scholarship provides \$30 per year to apply on tuition.

Albert C. Israel Scholarship—This scholarship yields \$20 per year to apply on tuition of a descendant of Albert C. Israel.

Jennie I. Hayes Scholarship—The income from a fund of \$5,000 is awarded for the purpose of helping students who are preparing for the mission field or the ministry.

Ida M. Irvin Scholarship—The income from a fund of \$5,000 is awarded to students who have reached the senior year in their college course.

Herbert Moninger Scholarship—A scholarship fund of \$2,500 established in memory of Mr. Herbert Moninger, a graduate of the class of 1898. The income is used to aid a student or students preparing for religious education.

Josiah Wilson Scholarship—A scholarship fund in the amount of \$2,576 established by Josiah N. Wilson in memory of Josiah N. and Wilminia S. Wilson. The income is used to aid a student or students preparing for the Christian ministry.

The John H. and Ida H. King Scholarship Fund—The income from a fund of \$18,292 is awarded to students at Bethany College under terms approved by the Trustees of the College in accordance with the will of the donors.

M. M. Cochran Scholarship—Scholarships covering a part of the tuition charge.

Minnie W. Schaefer Awards—The income from this fund of \$8,350 is awarded to a student or students preparing for definite Christian service.

J. T. Smith Awards—A fund of \$17,417 established by Mr. J. T. Smith of Memphis, Tennessee, the income of which is available for students preparing for the Christian ministry or some other form of Christian service.

William Kimbrough Pendleton Scholarship Fund—A fund of \$20,000 set up by Clarinda Pendleton Lamar in memory of her father, William Kimbrough Pendleton, member of the first faculty and second president of the College (1866-1889), the income of which is available each year to one or more citizens of West Virginia. These awards may be in the form of loans or gifts as determined by the Committee on Scholarships and Financial Aids.

Vinson Memorial Fund—A fund of \$1,600 established by Z. T. Vinson, of the Class of 1878, through the Central Christian Church of Huntington, West Virginia, the income from which is available to students preparing for the Christian ministry.

Florence M. Hoagland Memorial Scholarship—A fund of \$5,915 established by Miss Frances Cables of Woodstock, New Hampshire, for the establishment of a scholarship in memory of Florence M. Hoagland, Head of the Department of English and Advisor for Women at Bethany from 1936 to 1946, the income of which is available to students approved by the Committee on Scholarships and Financial Aids.

Perry Scholarship Fund—A fund of \$11,928 established in memory of Professor and Mrs. E. Lee Perry. Professor Perry was a graduate of the College in the Class of 1893, Professor of Latin at the College from 1908 to 1939 and Professor Emeritus from 1939 to 1948. Under the terms of this gift, the income of this fund is to be used to aid students preparing for the Christian ministry.

William H. Vodrey Scholarship—A fund of \$28,314 established by Mr. William H. Vodrey, a member of the Class of 1894, the income of which is to be used to assist a student or students from the area around East Liverpool, Ohio.

Adelaide E. and Arthur C. Stifel Scholarship—A fund of \$42,712 established by Mr. and Mrs. Arthur C. Stifel of Wheeling, the income from which is to be used to assist a student or students from the Wheeling area.

Newton W. and Bessie Evans Scholarship Fund—A fund of \$5,000 established by Mr. Newton W. Evans, the income from which is to be used to assist worthy students in furthering their education at Bethany College.

The Oreon E. Scott Foundation Scholarships—A grant from the Trustees of the Oreon E. Scott Foundation provides scholarships covering part of the tuition costs for the junior and senior year to those students preparing for the Christian ministry who have the highest scholarship index for prior years.

Campbell Allen Harlan Scholarship—A fund of \$58,500 established by Mr. Campbell Allen Harlan of Detroit, Michigan, the income from which is to be used to assist students of unusual ability in the fine arts to further their education at Bethany College.

Perry and Aleece Gresham Scholarship—A fund of \$10,328 established by Detroit friends as a gift to Dr. and Mrs. Perry Epler Gresham in appreciation of his ministry at Central Woodward Christian Church. The income from this fund is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Greensburg Area Scholarship Fund—A fund of \$22,428 established anonymously in 1953, the income from which is to be used to assist students of ability and need, from the Greensburg, Pennsylvania, area to attend Bethany College.

Patrick A. and Elizabeth Berry Scholarship Fund—A fund of \$5,000 established by Miss Sara Cameron, the income from which is to be used to assist students of ability and need, from the Counties of Homes and Knox in the State of Ohio, whenever possible.

Forrest H. Kirkpatrick Scholarship—The income from a fund of \$10,623 is awarded for the purpose of helping students who are sons or daughters of alumni.

Irene O. Darnall Scholarship—A fund of \$3,275 established by Irene O. Darnall, the income from which is to be used to assist needy and worthy students of Bethany College.

Lotta A. Calkins Scholarship—A fund of \$21,045 established by Lotta A. Calkins, the income from which is to be used to assist needy and worthy students who are preparing for full time Christian service in ministry and missions.

John E. Sugden, Jr. Fund—A fund of \$2,000 to render assistance in the forms of loans and grants to students who are preparing to become ministers of the Christian Church.

Marion and Frank Dunn Scholarship—A fund of \$2,050 the income from which is to assist worthy and eligible students designated by the Committee on Scholarships and Financial Aids.

Harry L. Ice Timothy Ministerial Endowment Fund—A fund of \$48,361 established by Mr. and Mrs. Robert H. Lee of Pittsburgh, Pennsylvania, honoring Dr. and Mrs. Ice in recognition to Dr. Ice for his productive and untiring work in establishing and building the "Timothy Ministerial Training Program." The income from this trust is to be used to assist students of ability and need who are preparing for full-time Christian service in the fields of ministry, religious education, missions, and other church vocations.

A. Dale Fiers Ministerial Athletic Scholarship—An annual award of \$100.00 to recognize and encourage the scholastic and athletic skill of an outstanding upperclassman preparing for the Christian ministry.

The Parsons Memorial Timothy Fund—An initial fund of \$10,404 established by the Heights Christian Church, Shaker Heights, Ohio, and other friends in memory of Dorothy and Waymon Parsons for dedicated leadership to this church and the Brotherhood of Christian Churches (Disciples of Christ). Income from this fund is to be used to assist worthy students who are preparing for a church vocation through the ministry, missions, or Christian education.

Mr. and Mrs. Earl B. Brink Scholarship—A fund of \$3,000 the income from which is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Thomas J. Boyd—A fund of \$1,400, the income from which is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Florence Abercrombie Scholarship Fund—A fund of \$22,647.00 established by Florence Abercrombie, the income from which is to be used to provide scholarships for worthy students preparing for full-time Christian Service.

Charles C. Smith Scholarship. A fund of \$5,050 established by the children, grandchildren and friends in memory of Mr. and Mrs. C. C. Smith whose dedicated lives were spent in service to the Christian ministry in town and country churches. The income is to be used for scholarships with priority given to those preparing for the Christian ministry and lay leadership.

Ada P. Bennett Memorial—Ministerial Training Endowment Fund of \$1,000 established by Mr. O. E. Bennett, family and friends, the income from which is awarded to a student preparing for a church related vocation.

Stewart King Tweedy Memorial Scholarship—A fund of \$10,255 established by Mr. and Mrs. H. L. Tweedy, and friends, in memory of their son who was killed in Viet Nam. The income from this fund is awarded to students on the basis of need and merit and without regard to sex, religion, race or nationality.

H. J. Morlan Fund—A fund of \$5,000 contributed by Mr. Morlan to the Scholarship Endowment of Bethany College.

Elizabeth M. Shrontz Scholarship—A bequest of \$5,000, the income from which shall be used to assist worthy students to obtain an education.

Reader's Digest Foundation Scholarship—A fund of \$2,500 established by the Reader's Digest Foundation, the income from which is used for the Scholarship Program of the College.

Argyle Campbell Memorial—A fund of \$3,936 contributed by the family and friends of Mr. Campbell to the Scholarship Endowment of Bethany College.

E. E. Roberts Memorial—A fund established by the family and friends of Professor Roberts to provide for an annual award to the outstanding Journalism student at Bethany College.

J. S. V. Allen Memorial—A fund established by the family and friends of Professor Allen to provide for an annual award to the outstanding student of Physics at Bethany College.

Frank Alfred Chapman Memorial—A fund established by Dr. Stanton Crawford to provide for an annual award to the outstanding student of History at Bethany College. Preference is given to students of American History and the Ohio Valley.

Dr. and Mrs. Francis W. Hibler—A fund of \$10,000 to be used for the support and development of the Student Counseling Program.

National Campbell Scholarship—An endowment fund established in memory and honor of Alexander Campbell. Awards are in recognition of Christian service and academic accomplishment to develop able and dedicated lay leadership in the Christian Church. Nomination for these awards is made by the local minister and the awards are granted by the Committee on Scholarships and Financial Aids.

SUSTAINED AWARDS

H. L. Berkman Foundation—Annual contribution for Scholarship assignment to a resident of the Upper Ohio Valley.

Herbert and Marguerite Rech—Annual contribution for Scholarship assignment.

West Virginia Consumer Finance Association—Annual contribution for Scholarship assignment.

Robert M. and Katie W. Campbell—Annual contributions for Scholarship assignment.

Archibald Hamilton Rowan, Jr. Memorial—Annual contribution for Scholarship assignment based on academic performance and good citizenship.

David G. Baird—Annual contributions for Scholarship assignment.

Arthur J. Kobacker—Annual contribution for Student Loan Fund.

FELLOWSHIPS AND NATIONAL SCHOLARSHIPS

Rhodes Scholarships—Men who have completed their sophomore year at Bethany are eligible to compete for the Cecil Rhodes Scholarship, tenable for three years at Oxford University, England. These scholarships are awarded on the basis of character, scholarship, athletic ability, and leadership, in extra-curricular activities. Further information may be obtained from the Dean of Students.

Departmental Fellowships—Certain members of the junior class are designated as Senior Fellows for the following year. The selection is made only of students who have attained unusual excellence in their major study and who, by character and ability, can

do special work in a department as an assistant in instruction and research. The Senior Fellowship carries a small stipend. No more than six Senior Fellowships are awarded in any one year. The selection of Senior Fellows is made by the Committee on Honors from the nominations of the department chairmen.

Foreign Exchange Fellowships—Each year at least two students direct from foreign countries come to Bethany to study on fellowships provided by the college administration. These students come to interpret their own people and their national culture to American student life. These awards are made only to students who are recommended by the Institute of International Education.

STUDENT ORGANIZATIONS AND ACTIVITIES

A CAMPUS LIFE rich with many and varied undergraduate interests is generally recognized as one of the advantages of Bethany. Such a personal enrichment grows naturally out of the friendly relationships between students and faculty and offers an opportunity for the expression of the desires of the individual student.

STUDENT GOVERNMENT

The government and direction of student interests and student activities are the joint responsibility of the Faculty and Administration of the College and the Student Board of Governors. The Student Board of Governors is elected by the student body and cooperates with the College Administration and Faculty in developing an intelligent appreciation of responsible participation in the college community life.

The Association of Women Students, of which every woman student is automatically a member upon her entrance into college, gives the college woman a better opportunity for experience in leadership and for sharing with the College the responsibility for her conduct.

RELIGIOUS LIFE

One of the expressed aims of the College is "To provide higher education in an atmosphere sympathetic to Christian ideals and Christian faith and to conserve and develop the moral character and religious life of its students."

Some of the student convocations are designed as Religious Chapel. Attendance is obligatory. The Chapel Services are planned by a committee of faculty and students.

Every effort is made to make these Chapel services non-sectarian and non-denominational. Representatives of the Christian and Jewish faiths are included among the visiting speakers.

STUDENT MEMBERSHIP

Many of the students at Bethany College find in the Bethany Memorial Church an opportunity for expression of their religious faith. Any student who is a member of a church in his home community is eligible for student membership. Student affiliation at Bethany in no way alters membership with the student's home church.

The program for students at the church includes a College Class for Bible study and group discussion on religious themes, and morning worship each Sunday morning.

The minister of the Bethany Memorial Church, who is also the College Chaplain, is available to students for counseling and advice on personal and religious matters.

CAMPUS RELIGIOUS PROGRAM

The interdenominational campus religious program administered by the Office of the Chaplain is called "Encounter." Encounter consists of four main divisions: the church and worship, the church and contemporary arts, the church and society, and the church and thought. Each division consists of two faculty advisers and from 10 to 15 students representing a cross-section of the student body. Vesper services are planned once each month and a special campus discussion program is offered once each month. Encounter involves not only discussion of religious issues, but also provides opportunity for actual service projects and field trips to various areas of social unrest and charge. All interested students are invited to participate in this program.

CHRISTIAN LIVING EMPHASIS WEEK

Christian Living Emphasis Week, more familiarly known as CLEW, is planned and directed by a Campus Committee of students and faculty. CLEW brings to the campus nationally known leaders of various beliefs. Chapel services, class periods, residence halls, fraternity and sorority houses are thrown open to these leaders in an effort to convince each student of the importance of religion in life. Informal discussion groups and personal conferences are also a part of the program.

LENTEN DEVOTIONALS

A student committee of representatives from "Encounter" plans and presents a series of devotional services throughout the week before Easter. Music, art, devotional materials, and drama are used to provide a background for a personal experience of worship.

COURSE IN BIBLICAL RELIGION

Six semester hours are required of all students which include a survey of the Bible and an introduction to contemporary religious bodies in America, with attention to the religious movement which gave Bethany College its origin and continuing relationships. The Bible has been a textbook at Bethany since its founding.

KOINONIA

Students who are preparing for a life work in the Christian Ministry or missionary service or religious education are invited to become members of Koinonia. Meetings are held throughout the college year in which matters relating to the field of Christian service and the church are discussed.

CHURCH CHOIR

The church choir sings each Sunday morning at the Bethany Memorial Church and functions as a community church organization in co-operation with the general work of the congregation.

MUSIC

CONCERT CHOIR

A select choir of not more than fifty mixed voices presents concert performances on campus and goes on tour each spring. The repertoire consists primarily of serious, rather difficult works, sacred and secular, of all periods. There is opportunity within the choir for the formation of smaller ensembles to cultivate special types of repertoire, such as madrigals. The choir also cooperates with the Drama Department in the production of one light opera each year.

MALE CHORUS

The chorus consists of thirty-six voices. The repertoire is varied with emphasis on serious works. When practicable, there is a spring tour.

ORATORIO CHORUS

A large combined choir presents the annual Christmas performance of Handel's "The Messiah."

SYMPHONY ORCHESTRA

The orchestra is open to all who can qualify. Emphasis is on standard symphonic repertoire, developing reading ability, and pre-professional ensemble playing.

COLLEGE BAND

Members of the orchestra and other ensembles act as a pep band in football season and for special occasions.

BRASS CHOIR

This choir appears in formal convocations and in concert. Open to qualified players by audition as vacancies occur.

CHAMBER MUSIC

Woodwind quintets, string quartets, and smaller ensembles are open to all who play orchestral instruments.

WHEELING SYMPHONY

There is opportunity for proficient orchestral musicians, especially string players, to play in the Wheeling Symphony, a fine orchestra with very high standards of performance. To be admitted into the orchestra, one must audition with the Symphony's director.

DRAMA

The Theater of the College offers experience to students with dramatic talent in the writing and producing of plays. Several plays are presented during the year. The work is correlated with the courses in Play Direction and Production and in Acting, under the supervision of the Department of Speech and Drama. Every effort is made to give this work a distinctly educational value both to performers and to audiences. Any student with an interest in dramatics may participate in department productions.

ATHLETICS AND RECREATION

Intercollegiate athletics are considered an integral part of the Physical Education program, and are promoted to furnish those students who possess a high degree of skill in a variety of physical activities an opportunity to compete with students from other institutions with similar standards.

Intercollegiate sports at Bethany College include football, basketball, baseball, track, tennis, golf, cross country, wrestling and swimming. Membership is held in the Presidents' Athletic Conference, which includes the following schools: Allegheny, Thiel, and Washington and Jefferson colleges in western Pennsylvania; Case Institute of Technology, Western Reserve, and John Carroll universities in Ohio.

Healthful athletic recreation is provided for the entire student body by an intramural program which includes a complete schedule of sports. This program is supervised by the Director of Intramural Athletics, a member of the staff in the Department of Physical Education.

The Women's Recreation Association encourages the participation of all women in a program of physical education and recreation. Facilities are provided for basketball, volley ball, tennis, hockey, speedball, swimming, and archery. The W. R. A. sponsors an invitational Play Day for students of area high schools and in addition, is host to delegations from tri-state colleges several times during the college year.

PUBLICATIONS AND RADIO STATION

The college publications include a campus newspaper (*The Bethany Tower*); the college yearbook (*The Bethanian*), an orientation guidebook (*The Student Handbook*), a literary journal (*The Harbinger*), and an economics journal (*The Bethany Journal of Political Economy*). These publications and the radio station (WVBC) are under the supervision of the Board of Communications. The Departments of English, Journalism and Speech provide professional guidance.

FRATERNITIES

Eleven social fraternities and sororities have active chapters at Bethany College.

The fraternities for men are: Alpha Sigma Phi, Beta Theta Pi, Delta Tau Delta, Kappa Alpha, Phi Kappa Tau, and Sigma Nu. The sororities for women are: Alpha Xi Delta, Kappa Delta, Pi Alpha Theta, Phi Mu, and Zeta Tau Alpha.

The Inter-Fraternity Council, composed of representatives from each of the fraternity chapters, acts as the coordinating agency in fraternity affairs and activities. The Pan-Hellenic Board directs the activities and "rushing" season for the sorority chapters.

INITIATION

Students are not initiated into any fraternity or sorority until they have completed fifteen hours of resident academic work.

For pledging or initiation, a student must be in good standing with respect to college financial obligations as well as in good standing at the college both academically and socially.

CLUBS AND ASSOCIATIONS

Several active clubs and societies are sponsored by various departments in the college. The nature of the French Club, Sociology Club, Chemistry Club, German Club, Spanish Club, Economics Club, International Relations Club, Psychology Club and Sociology Club is explained by their titles. Papers dealing with appropriate topics are presented by students, faculty members and out-of-town speakers.

Young men and women of the student body preparing for full time Christian Service are eligible for membership in the Ministerial Association.

The H. T. McKinney Chapter of the Student National Education Association was chartered at the college in the fall of 1942.

A chapter of Student Affiliates of the American Chemical Society was founded at Bethany in 1948.

RECOGNITION OF STUDENT ACHIEVEMENT

BETHANY COLLEGE undertakes to encourage superior achievement in scholarship and outstanding leadership in student affairs by public recognition at Commencement, on Honors Day and on other suitable occasions.

GRADUATION HONORS

Students who have done academic work of unusual merit will be graduated with honors: Summa Cum Laude, Magna Cum Laude or Cum Laude. The awarding of honors is determined upon the basis of total quality points earned, standing in the Senior Comprehensive Examination, and the recommendation of the Senior Counselor in charge of the student's field of concentration.

Students who make an unusual record on the Senior Comprehensive Examination are listed at graduation as having "Passed With Distinction."

CLASS HONORS

Junior and senior students of the College who complete the academic work of any one year with a scholarship index of 3.50 are recognized for "First Honors" for the year. Those who complete the academic work of any year with a scholarship index of 3.25 are recognized for "Second Honors" for the year. Freshman and Sophomore students of the College who complete the academic work of any one year with a scholarship index of 3.25 are recognized for "First Honors" for the year. Those who complete the academic work of any one year with a point average of 3.00 are recognized for "Second Honors" for the year.

SEMESTER HONORS LIST

At the end of each semester, a list of students who have rated high in academic attainment as attested by scholarship index are designated as "Students Distinguished in Scholarship." Often called The Dean's List, this distinction is determined by the Honors Committee.

SENIOR FELLOWSHIPS

Certain members of the junior class may be designated as Senior Fellows for the following year. The selection is made from students who have attained unusual excellence in their Field of Concentration and who, by character and ability, can do special work in a department as an assistant in instruction or research. No more than six senior fellowships are awarded in any one year. The selection of Senior Fellows is made by the Honors Committee from the nominations of the department chairmen.

HONORARY ORGANIZATIONS

Gamma Sigma Kappa is the honorary scholastic fraternity founded at Bethany College in 1932. Students maintaining a scholarship index of 3.25 for four consecutive semesters, provided that in no semester their scholarship index falls below an average of 3.00, are, upon recommendation by the faculty Honors Committee, eligible for membership.

Bethany Kalon is an honor society established in 1948 to give recognition to students who have demonstrated competent and unselfish leadership in student activities, have been constructive citizens of the college community, and have maintained high standards of personal character. It is open only to juniors and seniors. Selection is made by the members of the society with the advice and approval of the Honors Committee.

The West Virginia Delta Chapter of Pi Gamma Mu is an honorary social studies fraternity. Students maintaining a high

scholarship index in twenty semester hours of social studies are eligible for membership.

Alpha Phi Chapter of Beta Beta Beta is an honorary society for students of the biological sciences. Its purpose is to stimulate sound scholarship, to promote the dissemination of scientific truth, and to encourage investigation in the life sciences.

Iota Theta Chapter of Sigma Tau Delta is an honorary English fraternity. Membership is limited to students who have maintained a scholarship index of 3.2 in 15 semester hours of English and a total scholarship index of 2.8.

Tau Chapter of Omicron Delta Epsilon, National Honor Society in Economics, was established at Bethany College in December, 1960. Membership is limited to students of at least Junior standing, who have completed twelve or more semester hours of courses in Economics with an average of B plus or higher, and whose grade average in all courses is at least B.

Beta Gamma of Alpha Psi Omega is a national recognition society in dramatics. Students qualify by faithful work in playing a certain number of major and minor roles in the plays presented on campus. Provision is also made for crediting other kinds of dramatic work on the technical and business side of play production as equivalent to major and minor roles.

AWARDS

The Oreon E. Scott Award is made each year to the graduating senior who has achieved the highest academic record over the four-year period. The donor of this award was a long-time Bethany trustee and a graduate of the Class of 1892.

The Anna Ruth Bourne Award is planned to stimulate scholarship among the women's social groups. This is a silver cup, provided by an anonymous donor, awarded to the active and bona fide women's social group whose active membership earned the highest scholarship standing each semester. The group winning the cup for four semesters is presented with a smaller replica as a permanent trophy.

The W. Kirk Woolery Award is offered to encourage scholarship among the men's social groups. This is a silver cup, donated by friends of the late Dr. Woolery who was Dean and Provost of the college. This cup is held by the active and bona fide men's social group whose active membership earned the highest scholarship standing during the preceding semester. Any group winning the cup for four semesters is presented with a smaller replica as a permanent trophy.

The Outstanding Junior Woman Award is provided by the Pittsburgh Bethany College Club, comprising the college alumnae of Pittsburgh. This award is based on qualities of leadership, character, conduct, and scholarship. The club has placed a suitable plaque in Phillips Hall on which the names of the winners are engraved. In addition, an individual gift is made each year to the person designated.

The W. F. Kennedy Prize is given each year to the outstanding young man in the junior class. This award, established by W. F. Kennedy of Wheeling, West Virginia, is awarded on the basis of his contribution to the college community life through leadership in activities, personal character, and scholarship.

The Freshman Writing Award is open to all Bethany freshmen and is judged on the merit of three types of writing: the essay, the short story, and poetry. The judging of the contest is under the direction of the Department of English.

The Shirley Morris Memorial Award, established by Theta chapter of Zeta Tau Alpha, in memory of Shirley Morris, a loyal member and past president of the chapter, is given annually to the outstanding student in the field of modern languages. Selection is made by the Modern Language Department of Bethany College.

The Beta Beta Beta Award, established by an anonymous donor, is an annual award made to the senior student majoring in Biology who has attained the highest academic rank in this field of concentration.

The Florence Hoagland Memorial Award, given by a graduate of the Class of 1944, is presented each year to the outstanding English concentrator in the graduating class. The award honors the memory of the late Miss Hoagland, who was for many years Professor of English at Bethany.

The Cammie Pendleton Awards, named in honor of Miss A. Campbellina Pendleton, Professor of Language and Literature of Bethany from 1884 to 1909, are presented annually to the outstanding junior and sophomore concentrating in English. The awards are given by Dwight B. MacCormack, Jr., of the class of 1956, in memory of his grandmother, Dr. T. Marion MacCormack.

The Sigma Tau Delta Prize in English, given by a member of the class of 1950, is presented each year at Commencement to the English concentrator who has attained the second highest rank in English.

The E. E. Roberts Distinguished Prize in Campus Journalism is awarded annually to an outstanding student who excels in work on a student publication, academic work in the Department of Journalism, or both.

The Francis O. Carfer Prize is given each year to the senior who, in the judgment of the Honors Committee, has made the most outstanding contribution to the College during his undergraduate years. Mr. Carfer, a Trustee of Bethany College for 29 years, was a graduate of the class of 1909. Recipients of the award must display sound academic accomplishment and characteristics of loyalty, service, and devotion to Bethany College.

Senior Award in Chemistry. This award, by anonymous donor, is granted to the senior concentrating in chemistry who has achieved the highest cumulative average in his major field, including the record made on the Senior Comprehensive Examination.

STUDENT HEALTH

THE COLLEGE recognizes its responsibility for the physical well-being of its students and undertakes to provide adequate facilities and procedures to safeguard their health. Attention is given to the prevention of illness or accidents as well as to treatment and cure.

THE COLLEGE INFIRMARY

The College Infirmary, in charge of the College Nurse and her assistants, is open while the College is in session. It includes the physician's office, dispensary, treatment rooms, medicine room, and wards for men and women.

The College Physician is in the infirmary each day for consultation, examination, and treatment without charge.

DISPENSARY

Each student is expected to report any illness to the college dispensary. The Head of Residence in any college facility should be advised at once if a student is ill and unable to report to the dispensary. Students may not make direct requests for nursing services outside the infirmary. In the event of contagious or infectious disease, students will be expected to observe all regulations which may be prescribed by the college officers or public health officials.

Arrangements can be made for vaccinations, cold serums and special treatments at the college dispensary. No extensive medical or surgical procedures are carried out at the infirmary, but all minor ailments will be cared for, and some medicines will be supplied.

EXAMINATION AND TREATMENT

All students registering for the first time at Bethany are advised to send a record of a recent and thorough physical examination by their family physician. Those who have not done so will be examined by the College Physician and may be required to follow his recommendations.

When medical care is needed outside the infirmary, advisory assistance in securing outside services will be given but the expense of such treatment must be paid by the student.

Students are free to employ either the College Physician or a physician of their own choice in any case of illness. Excellent physicians in all major specialties are available in Wellsburg or Wheeling.

INFIRMARY CARE

In case of need, each student is entitled to three days per semester of resident care in the infirmary with no additional charge. The cost of this service is covered by a portion of the General Fee. For periods in excess of this time, a charge of \$4.00 per day is made. Students not boarding in college dining halls will be charged \$4.00 per day for board during the period of hospitalization, beginning with the first day of admission to the Infirmary.

STUDENT HEALTH INSURANCE

The Student Health Service is not designed to cover accidents or serious illness requiring special medicine or surgical treatment or hospitalization. The College therefore makes available to its students and their parents medical, surgical and hospitalization insurance to afford reasonable protection for those cases which exceed the benefits and services extended by the College Infirmary. The cost is \$12.00 per semester, and will be included in the College invoice, unless the appropriate waiver is forwarded to the Business Office as specified.

GENERAL STUDENT REGULATIONS

The College expects all students to be responsible citizens. The regulations of the College are for the protection of the rights of all members of the College community. Students who do not accept the necessity of responsible action or are antagonistic toward the spirit and purposes of the College may be dismissed or requested to leave at any time. Detailed regulations are published in the *Student Handbook*.

The men and women of the College live under conditions intended to provide a pleasant and wholesome social life, and a reasonable amount of social recreation is encouraged. Such diversions, however, may be restricted to limits considered favorable to the total welfare of the students. In the administration of regulations and policies, the college officers will be guided in the treatment of individual cases somewhat by the general attitude of the student toward the College: whether or not he has proved himself a creditable member of the college community, as shown by regularity in attendance at classes, promptness in the fulfillment of obligations, earnestness in endeavor to profit by the college opportunities and an evident awareness and practice of high standards of social and moral conduct.

No student may bring, keep or drink alcoholic beverages on the campus, in a college dormitory or at a local rooming house. Students are required to refrain from the use of alcoholic beverages at any and all college or social club functions and on all occasions when they are representing the college. A student who violates these regulations or who conducts himself in a manner prejudicial to the best interest of the college while off the campus will be subject to disciplinary action.

Bethany College has always been opposed to the use of intoxicating liquors. This policy should be understood and accepted by every matriculant.

The whole record of each student will be surveyed at the end of each semester with reference to his conduct in the community as well as his academic attainments. If the student's conduct over the past semester has been unsatisfactory and seems likely to remain so, the administration will consider whether the student is justifying his candidacy for a college degree at Bethany. *Students who do not show promise of academic accomplishment or fail to be good citizens will not be allowed to continue. It is expected that a student who earns credits at Bethany College must satisfy the faculty as to uprightness of character as well as accomplishment in scholarship.*

The Dean of Women is in charge of the general supervision of the college women, with the direct responsibility for regulation of their social life, residence and social privileges, and out of town privileges. Each residence hall for women is presided over by a house hostess or a faculty resident.

No student will be permitted to reside or board in any place which has not been listed as "approved" by the Office of the Dean of Students. Fraternity and sorority houses, private dwellings and rooms in residence halls where students are living are open at all times for inspection and appraisal as to influences and conditions relating to morals, health and social culture.

AUTOMOBILES

When students are admitted to Bethany College, the College assumes that they have attained a certain maturity with respect to personal and social responsibility. Today the automobile is a possession common to most households. Students of the College are permitted to maintain and operate automobiles at Bethany if they meet certain rigid regulations set up by the College. A student must have written permission of parent or guardian and automobile insurance coverage as stipulated by the College. He must not only maintain a scholastic average of at least 2.25 but also demonstrate those qualities which make him a responsible citizen of the Bethany community.

Freshmen are not permitted to bring automobiles to Bethany. The freshman year may be difficult because many social and academic adjustments have to be made. Therefore an automobile cannot be brought to Bethany until the student has shown that he can manage himself and his college relationships in a capable way.

Application forms and complete information governing the maintenance and use of an automobile in Bethany may be secured from the Office of the Dean of Students.



THE ACADEMIC PROGRAM

THE BETHANY PROGRAM

BETHANY is a small, Christian church-related, liberal arts college, with high standards of academic quality for both its students and its faculty.

It is small, in order that a close relationship may exist among the students and the faculty. No student need ever be "lost" at Bethany.

It is church-related by history and tradition, and by the common purpose of all connected with the College that education be more than merely the mastery of classroom material. Theology is not a part of the instructional program; but the Christian ethic, which is universal in its application, is an ideal which is consciously pursued, both in learning and in living at Bethany.

It is a liberal arts college, because those who have guided its destiny from the beginning have been convinced that the best foundation for success in any field of human endeavor is a broad understanding of the nature of man and his environment. Graduates of Bethany College are well-prepared for professional or other post-graduate training; for occupations demanding the ability to think logically, analyze problems, and make decisions; and above all for leading full and useful lives.

It is a college with high standards of academic quality because Bethany believes there is no substitute for academic excellence.

AIMS

Bethany College aims to assist its students in their preparation for intelligent and creative participation in contemporary living, and to direct them toward attainment of standards of excellence in scholarship, culture, and conduct.

The Faculty of the College has listed as representative of the more particular aims of the College the following:

- (1) To impart basic knowledge in various subject matter fields;
- (2) To establish sound habits of study and critical thought;
- (3) To provide opportunity for the development of health, physical fitness, good taste, poise, and courtesy;
- (4) To stimulate appreciation for the institutions and cultural contributions of mankind;
- (5) To develop social awareness and a fellow feeling for all nations and races;
- (6) To encourage creative self-expression in speaking, writing and the fine arts;

- (7) To enable the student to concentrate in an area of interest leading toward a career in one particular field.

The College undertakes to provide higher education in an atmosphere of Christian ideas and Christian faith and to assist in the development of the moral character and religious life of its students.

STUDENT GUIDANCE

Bethany College recognizes the need of giving its entering students an introduction to their work in new surroundings, and requires freshmen to come to the campus several days before the formal registration of other students. Orientation and evaluation days are planned not only to introduce the students to the College but also to introduce the college to the students.

Freshman orientation and evaluation activities include placement and achievement tests, which enable the faculty advisers to counsel the students and to place them in the class for which they are best fitted.

From the beginning of his college career each student has a Faculty Adviser. After the freshman or sophomore year the Adviser is usually a faculty member whose special academic interests approximate those of the student. The student has ample opportunity to be in frequent contact with his Adviser, and reports of accomplishments and difficulties can be made directly to him.

The Faculty Adviser is concerned with the student's selection of courses, his academic progress, standards of conduct, and vocational plans and objectives.

The chief officer in charge of student guidance, student welfare, and the coordination of all student personnel administration is the Dean of Students. Members of his staff are available for help in career guidance, social adjustment, financial problems, plans for graduate or professional study, or personnel analysis.

VOCATIONAL COUNSELING

IN MODERN SOCIETY practically every individual must make some plans for a vocation. The faculty at Bethany College believes that the liberally educated man or woman has the best preparation to meet the challenges and opportunities in the "world at work." Against a broad, carefully planned, liberal arts background, Bethany College students can select specialized courses or fields of concentration which will prepare them for admission to graduate and professional schools or for entrance into the world of business.

Occupational choice is dependent upon individual capacities, interests, and the current opportunities. Young people choosing a career need general and specific information about job requirements, training, and outlook. Through faculty advisers and guidance services of the college, Bethany students can receive such help. The Vocational Information Office under the direction of the Dean of Students, serves in the appraisal, vocational advising, and job placement of students. The students may get help in the following ways:

Vocational Information. The Dean of Students and designated Faculty Advisers are prepared to give students current information concerning vocations. In addition to this, files of material about occupations, and information about specific business, industries, and professions are available for student use.

Opportunities for vocational interest and personality tests and appraisals are offered to students to help ascertain some of the factors essential in the student's eventual occupational choice and adjustment.

Campus Interviews. To bring together employers and prospective employees the Dean of Students encourages representatives of business, industrial, and professional organizations to visit the campus and arranges interviews for those students who desire them.

Placement. The Dean of Students suggests to students the most effective procedures in seeking employment, recommends methods of writing letters of application, and offers pointers on techniques of the job interview.

Graduate Training. Students who plan to do graduate work leading to higher degrees should bear in mind that a reading knowledge of both French and German is generally required. Results of the Graduate Record Examination will be requested by the graduate schools of most universities, and by an increasing number of organizations in business and industry.

PRE-PROFESSIONAL STUDY

Bethany College offers pre-professional training in a variety of fields. A large percentage of its students select their courses to qualify them for entrance to technical or professional schools. The Faculty Adviser should be consulted to see that specific requirements of the school selected are met.

Below are listed a number of career interests for which undergraduate preparation is to be found at Bethany. The strong recommendations for liberal arts courses should be noted. They represent only a sampling of the many programs the student may elect in preparation for his life's work.

Christian Ministry. Students who plan to enter church vocations are expected to complete their preparation in seminaries and graduate schools of religion after their graduation from Bethany. Their undergraduate studies, therefore, include the fullest possible grounding in the liberal arts. Guided by the faculty committee on ministerial training, students elect courses which provide necessary pre-seminary studies in the natural and social sciences, the arts and humanities and religion. Students engaging in this pre-professional program may not ordinarily complete a sequence intended to prepare them for secular employment upon the completion of the A.B. degree.

Pre-Engineering. A broad training in the sciences and humanities provides a good foundation for students who plan future specialization in one of the branches of engineering. Students desiring to transfer to an engineering school will need to give careful attention to requirements of the engineering school they wish to enter.

By cooperative arrangement with Columbia University, Bethany offers the first three years of a five-year course and arranges for the qualified student to transfer to the School of Engineering for the last two years of undergraduate training. Upon completion of the five-year program, degrees from both institutions will be granted.

Pre-law. Most leading law schools require no specific undergraduate courses for entrance but expect a broad training in the social sciences and humanities and in logical thinking. They recommend, however, that pre-law students take basic courses in history, political science, economics, sociology, psychology, English composition, and speech.

Pre-Medicine. Students desiring to prepare for the study of medicine will find instruction and facilities which will satisfy the entrance requirements for the best medical schools. It is recommended that the students planning to study medicine should have broad basic training in courses of general education, including foreign language, literature, philosophy, and social science. A sequence in Pre-Medical Training is planned for those who do not wish to elect a field of concentration in a single field of science.

Pre-Nursing. Increasing opportunities are open to college-trained women in the fields of public health and professional nursing both civilian and military. Bethany sponsors a cooperative program in nursing with certain well established and highly approved schools of nursing. Three years of study and a minimum of 96 semester hours including 6 hours of Physical Education are completed at Bethany College. This is followed by the completion of a prescribed course at a collegiate school of nursing recommended by Bethany College (such as Western Reserve University, Uni-

versity of Pittsburgh, Columbia-Presbyterian, Cornell and others). Bethany's baccalaureate degree is then awarded at the same time as the award of the nursing degree.

A similar plan is in effect with the D. T. Watson School of Physiatrics.

Pre-Dentistry. Admission requirements to dental schools stipulate at least two years of pre-professional training. It is recommended that the pre-dental student follow to a large extent the pre-medical program.

Professional Chemistry. A thorough preparation for Professional Chemistry with a complete background of training in the liberal arts is offered in a program of courses that is designed to conform to American Chemical Society standards. Independent study introduces the student to the principles of research, aiding in any contemplated graduate or industrial work following graduation.

FACULTY COUNSELORS

FOR FRESHMEN

Mr. Allison, Mr. Avery, Mrs. Carty, Mr. Clopine, Mr. John D. Davis, Mr. John U. Davis, Mr. Dawson, Mr. Errington, Miss Frederich, Mr. Gaddis, Mr. Goin, Miss Gordon, Mr. Graham, Mr. Grall, Mrs. Hanna, Mr. Hauptfuehrer, Mr. Jones, Mr. Kenney, Mr. Knight, Mr. Kurey, Mr. Larson, Mr. Lester, Mr. Long, Mr. Lozier, Miss Mathison, Mr. McAlexander, Mr. Myers, Miss Nicholson, Mr. Patsiga, Mr. Preston, Miss Reed, Mr. Sandercox, Mr. Schweinfurth, Mr. Shoup, Mr. Sykes, Mr. Taylor, Mr. Tye, Mr. Walters, Mr. Winters.

FOR FIELDS OF CONCENTRATION

Art	MR. McALEXANDER
Biology	MR. LARSON
Chemistry	MR. DRAPER
Communications	MR. CARTY, MR. DRINNON, MR. LOVELADY
Economics	MR. RICHARDSON
Education	MR. SPENCE
English	MISS MCGUFFIE
Fine Arts	MR. HAUPTFUEHRER
Foreign Languages	MR. MCKENZIE
History and Political Science	MR. YOUNG
Mathematics	MR. TYE
Music	MR. HAUPTFUEHRER
Philosophy	MR. MYERS
Physical Education	MR. KNIGHT

<i>Physics</i>	MR. WEI
<i>Psychology</i>	MR. RAY
<i>Religion and Religious Education</i>	MR. PRESTON
<i>Sociology and Anthropology</i>	MR. VAJDA

FOR CAREER INTERESTS

<i>Dentistry</i>	MR. WEIMER
<i>Law</i>	MR. WEI
<i>Law</i>	MR. SHAW
<i>Medicine</i>	MR. WEIMER
<i>Ministry</i>	MR. PRESTON
<i>Nursing</i>	MR. WEIMER
<i>Radio and Drama</i>	MR. DRINNON
<i>Recreational Leadership</i>	MR. KNIGHT
<i>Social Work</i>	MR. SHOUP
<i>Veterinary Medicine</i>	MR. WEIMER

FOR SPECIAL SERVICES

<i>Undergraduate Fellowships and Scholarships</i>	MR. SANDERCOX
<i>Foreign Students</i>	MR. SCHWEINFURTH
<i>Gans Fund Grants</i>	MR. WEIMER
<i>Graduate Fellowships and Scholarships</i>	MR. KENNEY
<i>Honors Program</i>	MR. YOUNG
<i>Ministerial Training Awards</i>	MR. WALTERS
<i>Selective Service</i>	MISS GORDON
<i>Social and Recreational Activities</i>	MISS NICHOLSON
<i>Vocational Information and Guidance</i>	MR. SANDERCOX

GENERAL ORGANIZATION OF THE CURRICULUM AND INSTRUCTION

As a general understanding, students in the freshman and sophomore years should enroll for courses contributing to their general education. Such courses are numbered from 100 to 299. Usually a student completes many of the specific course requirements for graduation in the first two years and becomes familiar with the different fields of knowledge. He should also discover, with the aid of his adviser, the area in which he possesses most interest and ability. A general survey examination (Sophomore Comprehensive Examination) is given at the end of the sophomore year, the results of which are used for educational guidance.

FIELD OF CONCENTRATION

A large part of the student's program in the last two years will center on the field of concentration and its related fields. The core subject of the field may be confined to the work of a single department, or may embrace work in two or more departments. The work is planned and administered as a unit under the direction of the Faculty Adviser.

REQUIREMENTS FOR DEGREES

Bethany College confers upon students who have satisfied all appropriate requirements and have maintained high standards of character the degrees of Bachelor of Arts or Bachelor of Science.

RESIDENCE

Four years are usually required to satisfy the course and residence requirements for the baccalaureate degree. Students of superior ability may complete the requirements in less time. As a minimum, the senior year or the last two semesters before entering a professional school must be spent in residence at the College (see "Combination Courses," p. 76). Not more than nine semester hours may be obtained in other undergraduate collegiate institutions for the fulfillment of the work of the senior year, except as stipulated under "Combination Courses."

SEMESTER HOURS

Candidates for either of the baccalaureate degrees are required to complete a total of 126 semester hours of academic work. Of this number:

- a. at least 96 must be of "C" grade or better;
- b. not more than 42 may be in any one Field of Concentration;
- c. not more than 8 may be in applied courses in any of the following Departments, nor more than 4 in any of the others, except that these limitations may be exceeded if the total in all Departments is not more than 12 or if each hour in excess of the maximum is matched by 2 hours of historical or theoretical courses in the same Department: Art, Education, Journalism, Music, Physical Education (exclusive of required activity courses), or Speech and Dramatics;
- d. not more than 65 may be transferred from institutions of junior college standing;
- e. in the case of candidates for the Bachelor of Science degree, at least 40 must be in courses in Biology, Chemistry, Mathematics, Physics, or Psychology, at least 25 of these at upper division level.

QUALITY POINTS

At least 252 quality points are required for graduation. At least 80 of these must be earned in courses numbered 300-499. Quality points are awarded on the basis of final grades received. (See "Grading System," p. 85)

DISTRIBUTION OF COURSES

Candidates for graduation are required to complete certain courses which have been designated by the faculty as basic for general education. *Additional requirements may be set as needed to fulfill programs preparatory to entrance into a profession or into graduate school.*

The following specific requirements must be met by all candidates for the baccalaureate degree:

6 semester hours in English composition.

6 semester hours in Religion 101-102, or equivalent courses.

12 semester hours elected from the following sciences:

Biology, Chemistry, Mathematics, Physical Science, or Physics.

The total must include at least 6 semester hours in each of two sciences. Students whose field of concentration is in the Physical Sciences and Engineering may not elect Physical Science 101-102.

12 semester hours in Social Science.

All students must take History 101-102 or equivalent courses, preferably in the freshman or sophomore year. 6 additional hours may be elected from courses in Anthropology, Economics, History, Political Science or Sociology.

12 semester hours in The Arts and Humanities.

Included in Arts and Humanities must be 3 hours of Fine Arts 201-202, and 3 semester hours in literature. 6 additional hours may be elected from English literature, foreign literature, music, or art.

6 semester hours in one of the following:

Psychology or Philosophy.

4 semester hours in Physical Education.

Foreign Language Requirement:

A reading and communication knowledge is required in one of the modern languages offered at the College or one approved by the Committee on Academic Review.

These requirements may be partially or wholly satisfied by obtaining a score of 3, 4, or 5 on a CEEB Advanced Placement Test in the area; by completion of the required number of semester hours; or by an examination given under the direction of the department.

Those receiving a score of 4 or 5 on the Advanced Placement Test will be awarded academic credit toward graduation in addition to the waiver of requirement.

FIELD OF CONCENTRATION

Each student should select a Field of Concentration not later than after three semesters of resident academic work. The determination of the Field of Concentration cannot be delayed beyond the fourth semester without the possibility of extra academic courses being necessary for graduation.

Each student will have the help and direction of a Senior Adviser in planning his course of study in the Field of Concentration, but the following specific requirements must be followed:

- (a) In core subjects of the Field of Concentration, at least 24 semester hours must be completed but not more than 42 semester hours will be counted toward degree requirements. At least 12 semester hours in core subjects must be in courses numbered 300-499. Grades earned in core subjects must meet a minimum requirement of cumulative scholarship index of 2.00.
- (b) At least 12 semester hours must be completed in an area related to the core subject.

The Faculty Adviser will determine specific course requirements within the Field of Concentration and must approve the related subjects.

The Field of Concentration which a student elects determines specific requirements for the student, not only of work to be done in the field selected, but courses to be completed in other departments. The general outline of the requirements for each Field of Concentration is listed in the Curriculum section of this bulletin that outlines the courses offered. Modifications may be made to meet the needs of the individual student.

SENIOR COMPREHENSIVE EXAMINATION

A comprehensive examination, both written and oral, is required of each candidate for a degree at Bethany College. It is intended to cover the total range of the student's academic preparation. This examination is given under the direction of the Adviser with the assistance of a faculty committee appointed by the Dean of the Faculty. Portions of the Graduate Record Examination will constitute a part of the Comprehensive Examination. A student failing the comprehensive examination is considered as failing to meet the requirements for graduation and is not graduated.

Comprehensive examinations are given once each academic year. Students who fail to pass the comprehensive examination shall, upon payment of a suitable fee, with the permission of the Committee on Academic Review, and approval of the Senior Adviser, be given a second opportunity at the end of any subse-

quent year. Further opportunity to take this examination *may* be given by special vote of the faculty.

A student desiring to take a comprehensive examination in a second Field of Concentration may do so provided the Advisers concerned and the Committee on Academic Review approve, and the student has paid the fee required for a special comprehensive examination.

GRADUATE RECORD EXAMINATION

Students are required to take the Graduate Record Examination during the senior year. The record on this examination will be needed by students seeking admission to graduate and professional schools. The results may be considered in the awarding of graduation honors. Portions of this examination will constitute a part of the Senior Comprehensive Examination. Charges for this examination are included in the graduation and diploma fee.

COMBINATION COURSES

Special arrangements have been approved by the faculty under which students who have completed three years of work at the College may transfer to specifically approved institutions for engineering or nursing training and be eligible for graduation at Bethany on satisfactory completion of their undergraduate training at the cooperating institution.

By special arrangement with the School of Engineering, Columbia University, Bethany offers the first three years of a five year course for engineering students and arranges for the qualified student to transfer for the last two years. Upon completion of this five year program the student receives a bachelor's degree from Bethany College and from Columbia University.

Arrangements have been approved whereby Bethany students upon the completion of three years of satisfactory work in the College or ninety semester hours of work, exclusive of required physical education courses, with an approved distribution of courses, may transfer to approved university schools of nursing and physiatrics and upon the satisfactory completion of training may receive the Bachelor of Science Degree from Bethany College and the Diploma in Nursing from the School of Nursing. The student Nurse's Registry Certificate is to be filed with the Registrar before graduation is confirmed.

SUMMER SCHOOL

Credit will be given for a limited amount of work done in the summer session of another approved college or university provided the courses taken are appropriate to the liberal arts curriculum and the grades earned are "C" or higher. Permission for summer study must be secured in advance from the Registrar.

EDUCATION FOR RESPONSIBLE CITIZENSHIP

The college has provided a program in training for active citizenship through the generous support of the Maurice and Laura Falk Foundation of Pittsburgh. This program is intended to lift politics to the level of deliberate awareness throughout the student body, and to give training to a few select liberal arts and pre-professional students in the nature and art of politics at local, state and federal governmental levels in preparation for responsible citizenship irrespective of the vocations which these young people will enter.

This is accomplished through a series of summer internships in practical politics and administration which sends a selected group of students who have completed substantial training in the political sciences to the offices of party headquarters, legislators, various administrative offices and legislative reference bureaus for a period of six weeks during the summer. Most of these assignments are at the state and local levels.

The citizenship training program also embraces a series of planned visits to the campus by political individuals and groups for workshops and seminars and as guest lecturers in related classes. Political science field trips to the national capital and at least one state capital are scheduled each year as part of a study of the governmental process.

OVERSEAS STUDY PROGRAMS

Under approved supervision and direction especially qualified students may secure credit for formal work completed in foreign colleges and universities. To be eligible for study abroad, the student ordinarily must have an average grade of "B" or higher for 3 semesters.

Two foreign study programs have proven especially successful:

a. Study year in Basel, Switzerland. This program is conducted by the Regional Council for International Education of which Bethany College is a member. Courses are conducted in the English language. European History, Literature, Fine Arts and Economics are stressed. Included is an intensive study of the German language.

b. Scandinavian Seminar: After an intensive study of a Scandinavian language in the native country, students enroll in a higher institution as fully matriculated students in that country.

Study year programs are also available to India and Japan. The medium of instruction is English.

SEMESTER IN WASHINGTON

Arrangements have been made for one or two advanced students in history, political science, economics or sociology to pursue studies in these fields under the direction of the American University in Washington, D. C. A student participating in this plan will take six to nine hours in regular academic work and six to nine hours in the study of government supervised by Bethany College and American University. Participants in the program must be recommended by the Adviser and have the approval of the Committee on Academic Review.

UNITED NATIONS SEMESTER

Bethany students who are interested in broadening their liberal arts study may participate in a program at the United Nations in New York City. One or two students may be chosen each year. Students participating in this program will take six hours of work in United Nations study. Half will be in a seminar course which meets regularly with people associated with the U.N. The other half will be a research project, on topics chosen by the students, using U.N. documents. Students will also be allowed to take six to nine hours of regular academic work at Drew University, Madison, New Jersey. Participants in the Program must be recommended by the Campus Coordinator for the U.N. Semester, the Faculty Adviser, and the Dean of the Faculty.

THE BETHANY HONORS PROGRAM

Bethany College has instituted an Honors Program. Any student of sophomore or junior standing, whose cumulative grade-point average is at least 3.0 may apply for admission. Other students may apply if their applications are supported by the recommendation of at least one member of the faculty. Applications for admission to the Honors Program will be acted on by the Honors Program Advisory Committee.

The principal means of achieving the purpose of this program is the Honors Seminar. During his participation in the program the student will be a member of one such student seminar each semester. The seminars represent all the principal areas of the arts and sciences.

Students participating in the Honors Program are required to satisfy college graduation requirements and, in addition, to participate in the program of Honors Seminars. Normally, students will enter the program at the beginning of the sophomore year. In no case, however, may a student enter the program later than the beginning of his junior year.

One of the most important aspects of the Honors Program in general and the Honors Seminars in particular is that several members of the faculty work as a team in conducting the seminars. Students are regarded as junior colleagues, engaged with faculty members in a common search for understanding.

Honors students may audit any course at the College without payment of the auditing fee. They may elect as many as 21 hours of courses in a semester without special permission. They may take advanced courses without special permission and without the usual prerequisites except in those cases where the Chairman of the Department rules that this exemption shall not apply. They have preference in the offering of courses of Independent Study and departmental Honors Courses.

After the Honors Student has worked out a program of studies with his Adviser, he will submit it to the Director of the Honors Program for discussion and approval.

Students participating in departmental honors programs who are not members of the Honors Program may enter Honors Seminars related to their departmental studies upon the recommendation of the chairman of their department and with the approval of the Director of the Honors Program.

A student may withdraw from the Honors Program by presenting a written request to the Honors Program Advisory Committee. The request will be recorded by the Committee and forwarded to the Registrar. The Committee also is authorized to remove any student from the Honors Program whose performance is unsatisfactory.

Bethany College assumes that many talented students will go to a university or a professional school for graduate training. The Honors Program is designed to assist in their preparation for further study, and they are encouraged to apply for the fellowships and scholarships available to outstanding college graduates.

ACADEMIC REGULATIONS

STUDENT'S SCHEDULE

A student ordinarily carries fifteen or sixteen credit hours of academic work each semester, but it is possible for a student to carry additional credit hours with the permission of his Adviser. No student will carry more than eighteen credit hours in any one semester unless on petition the excess is approved by the Committee on Academic Review.

COURSE CHANGE

Any course changes should be made within ten days after registration. After the first ten days it is possible for a student to secure permission to drop a course only if the Adviser and the Dean feel that the best interests of the student will be served by such procedure.

CLASS ABSENCES

Students are expected to attend all class and appropriate laboratory meetings of a course and to participate in all outside activities that are a part of the course. According to faculty ruling the following uniform system has been adopted to be used in connection with class absences.

1. Attendance for each class will be reported daily to the Office of the Registrar.
2. Freshmen and students on probation will be held strictly accountable for attendance at every class meeting. Excused absences are granted only in the event of serious personal or family emergencies, or authorized college events. A bi-weekly list of excused absences is issued by the Office of the Dean of Students.
3. For upperclass students not on probation, the demands of each course and the progress of the individual student will be the governing factors in class attendance requirements. *Any student who jeopardizes his progress by avoidable absences may be placed on probation. In the event of continued disregard for this understanding, he will be dismissed from college.*
4. No check will be made of the class attendance of those students who maintain a quality point average of 3.5.
5. If a student's total absences, *both excused and unexcused*, exceed one-fourth of a course, the instructor may report a grade of WF, dropping the student from the course.

PENALTY FOR LATE REGISTRATION

Students in attendance during any semester should register on the opening day of the following semester, if they desire to continue their work. A charge is made for each day of delay in registration. Class absences will be counted against the student for all days missed because of late registration. This rule does not relate to students entering for their first semester.

WITHDRAWAL

An honorable dismissal will be granted to any student in good standing and not subject to discipline who may desire to withdraw from the College if he has satisfied his Adviser and a responsible Officer of the College that there is a good reason to justify such action. Students asking to withdraw should present such a request to the Dean of Students in writing with a statement of approval from parent or guardian. The recommendation of the Dean of Students will next be presented to the Business Manager and then to the Registrar for final record. No withdrawal will be considered complete until this procedure has been carried out.

FINAL EXAMINATIONS

All students are required to take the final examination in each course for which they are registered. Students who are taking the Senior Comprehensive Examination are excused from final examinations in all courses of the semester in which the comprehensive examination is taken.

SPECIAL EXAMINATIONS

A student justifiably absent from a final examination or a test given in connection with the regular class work, with the consent of the instructor and approval of the Dean of the Faculty, may be permitted to take a special test without payment of fee. Fees for special examinations must be paid at the Business Office before the examinations are taken and the proper receipt must be presented to the instructor at the time of the examination.

GRADING SYSTEM

Grades given and their equivalents in quality points are:

A	4.00	C	2.00
A—	3.75	C—	1.75
B+	3.25	D+	1.25
B	3.00	D	1.00
B—	2.75	D—	.75
C+	2.25	F	.00

Grades mean: A, Excellent; B, Good; C, Satisfactory; D, Inferior; F, Failure.

Other report abbreviations and their meanings are:

F. Failure. No quality points; denotes work that is definitely unsatisfactory and the course not passed.

Con. This abbreviation denotes conditional failure. The student is granted the privilege of taking an examination to remove the condition or, in case of a continuous course, it may be automatically removed if the student makes a grade of "C" or better the following semester. Failure to do so within the following semester will result in the grade being changed to "F." Regardless of the manner of removing the condition, no grade higher than "D" will be allowed.

Inc. This abbreviation denotes work not completed as a result of sickness or some other justifiable reason. An incomplete mark should be removed by the end of the fourth week in the following semester, unless an extension of time is granted by the Dean of the Faculty. It is not possible for a student to remove an incomplete mark after twelve months.

W. Withdrawn.

WF. No quality points; indicates a course dropped with permission after the fifth week of the semester with student failing at the time of withdrawal. A grade of WF has the same effect on the student's grade-point average as an F.

A report of the scholastic standing of students is received at the Office of the Registrar at mid-semester in addition to the final semester reports. These reports are sent to the faculty Adviser and to parents or guardian of each student.

CLASSIFICATION OF STUDENTS

The classification of students is determined according to the following plan: For sophomore rank a student must have at least twenty-five hours of academic credit and fifty quality points. Admission to full junior standing is conditioned upon the student's having at least sixty hours of academic credit and one hundred and twenty quality points; and he must have passed the Sophomore Comprehensive Examination. For senior class rank the student must have at least ninety-four hours of academic credit and one hundred and eighty-eight quality points.

No student is considered as a candidate for the baccalaureate degree until he has been granted senior classification, until he has filed an Application to take the Senior Comprehensive Examination in the Field of Concentration, and until he has filed an Application for a Degree.

PROBATION

The term "on probation" is applied to students who are allowed to continue in college after having failed to meet the standards expected by the faculty and administration. Students may be placed on probation for any or a combination of the following causes.

a) Unsatisfactory scholastic record during the semester or preceding semesters.

The following academic bases will be used to determine "probation" each semester:

Freshmen must achieve a cumulative grade of at least 1.7, Sophomores 1.8, and Juniors and Seniors 2.0.

b) Unsatisfactory class attendance during the semester or preceding semester.

c) Unsatisfactory conduct at any time.

"Probation" is intended to be a serious warning to the student and to the parents or guardians that the student's record is unsatisfactory and that unless significant improvement is made the student will be asked to withdraw from the college. At the end of a semester on probation the student's total record is reviewed, and his continued enrollment will depend upon the current trend of academic performance, total progress towards graduation in relation to aptitudes, contributions to campus life, and factors relating to personal adjustment. The Committee on Academic Review may dismiss any student if, in its judgment, the student is not likely to meet the requirements for graduation in the usual period of four years. An extension of the four-year period shall be granted only when there are extenuating circumstances.

Students on probation may be declared ineligible for participation in athletic or other student activities. While on probation a student is not eligible to receive any grant from college scholarship or loan funds. A student on probation may not have or operate an automobile.

TRANSFER OF RECORDS

Students wishing to transfer to another institution should request the Registrar to send an official transcript of record and notice of honorable dismissal. The request should be made at *least one week before the transcript is needed*. One transcript is furnished for each student without charge; for each additional transcript a fee of \$1.50 is charged. This fee must accompany the request. All financial obligations to the college must be paid before a transcript can be issued.

CHANGES IN REGULATIONS

The College reserves the right to amend the regulations covering the granting of degrees, the courses of study and the conduct of students. *Membership in Bethany College and the receiving of a degree are privileges, not rights.*

The College reserves the right, and the student concedes to the College the right, to require the withdrawal of any student at any time without explanation.

INVALIDATION OF CREDITS

Courses completed either in Bethany College or elsewhere, more than ten calendar years before the date of proposed graduation, will not be accepted for credit toward graduation. All candidates are expected to comply with the requirements for degree in effect at the time of acceptance of the application for degree. With the approval of the Committee on Academic Review and the payment of the required fee the candidate may take examinations, as administered by the various departments, for courses included in the current curriculum, to re-instate academic credit that they may have been declared not valid because of date.

CURRICULUM

Courses marked with an asterisk * are offered in alternate years.

ART

AIMS

To present to the student a variety of studio problems to develop his artistic potential; to offer a comprehensive survey of the historic development of the visual arts; and to provide a center which possesses an atmosphere that encourages the student to acquire standards of evaluation and practice in the appreciation and application of the plastic arts.

REQUIREMENTS FOR FIELD OF CONCENTRATION

To concentrate in the field, Art 241 and 242 are required, plus a total of four studio courses, (12 hrs.) from numbers 301 to 306 and three historical courses (9 hrs.) from numbers 325 to 340.

Bethany College Art Department reserves the right to keep as many as three works by each student from each class. These works will be added to a Collection of Student Art and will be used to enhance the campus.

ART 241 BEGINNING DRAWING AND COLOR (3 hrs.) Basic course work in the theories and practice of two-dimensional design. This gives the student a fundamental view of past and present visual expression. Media include charcoal, pencil, tempera paint, ink, brush, construction paper, and others. Open to all students. 1 hr. lecture; 5 hrs. studio work.

ART 242 BEGINNING SCULPTURE (3 hrs.) Creative expression in, and theories of three-dimensional design. Attempts through work with solid forms and volumes to establish a basis for evaluation of sculpture and three-dimensional design both past and present. Open to all students. 1 hr. lecture; 5 hrs. studio work. Prerequisite for Art majors only: Art 241.

ART 301 CERAMICS (3 hrs.) Basic techniques of designing, building and glazing ceramics. Individual projects carried on according to student's ability. Prerequisite for Art majors only: Art 242.

ART 302 DRAWING (3 hrs.) Concentrated activity in academic drawing using a variety of drawing media. Primary emphasis will be placed on the still life, landscape and the human form. Prerequisite for Art majors only: Art 241.

ART 303 OIL PAINTING (3 hrs.) Basic techniques using still life, landscape and the human form as the subject. Prerequisite for Art majors only: Art 241 and 302.

ART 304 SCULPTURE (3 hrs.) Creative expression in three-dimensional forms. Students will work with materials that are readily available and easily handled, such as wood, wire, plaster and clay. Prerequisite for Art majors only: Art 242.

ART 305 LETTERING (2 hrs.) A studio course dealing with typographical design and basic commercial art; fundamental skills in lettering and composition. Prerequisite for Art majors only: Art 241.

ART 306 WATERCOLOR PAINTING (3 hrs.) Basic techniques using still life and landscape as the subject. Prerequisite for Art majors only: Art 241 and 302.

ART 335 ART OF ANCIENT AND NON-WESTERN CULTURES (3 hrs.) A survey of similar and contrasting artistic activities found in Pre-Columbian America, the Orient and Classic Greece. An outline of the scope of each area will be presented along with a specialized concern for at least one aspect of artistic development in each cultural area.

ART 336 WESTERN ART OF THE 14TH-17TH CENTURY (3 hrs.) The development of art in the North and South of Europe covering specific aspects of the art of the Renaissance, Mannerism and Baroque.

ART 337 WESTERN ART OF THE 18TH-20TH CENTURY (3 hrs.) The presentation of artistic endeavor from the beginning of Neo-Classicism to the present day in Europe, America and related countries. Emphasis will be placed on Impressionism, Post-Impressionism, Cubism and later developments.

ART 342 ELEMENTARY TEACHERS WORKSHOP (2 hrs.) A workshop dealing with materials and projects for children of elementary grade age levels.

ART 477-478 SENIOR SEMINAR (1 hr.) Required of all students concentrating in the field. A survey of Art for review and interpretation of the particular problems of this field.

ART 480 METHODS AND MATERIALS OF TEACHING ART (3 hrs.) Methods, materials and techniques pertinent to the teaching of Art in the high school.

ART 481-482 ART PRACTICUM (1 to 4 hrs.) An art theory course emphasizing the function and use of museums, collections and temporary exhibitions. The group will make one or more field trips per semester. Expenses must be met by students participating. Prerequisite: One Art History course or permission of the instructor. Preference will be given to Art majors.

ART 487-488 INDEPENDENT STUDY (1 to 3 hrs.) Designed for those students who desire to do independent study. Selection is to be made by the student according to interests and needs, subject to approval of the instructor.

ART 491-492 HONORS COURSE (1 to 3 hrs.) Designed for seniors of superior ability and achievement who are concentrating in Art.

ASTRONOMY

* **ASTRONOMY 101 or 102** (3 hrs.) A course in descriptive astronomy. This non-technical course in beginning astronomy includes such topics as the solar system, satellites, eclipses, constellations, the galactic system, and exterior systems. Offered in 1967-68.

BIOLOGY

REQUIREMENTS FOR FIELD OF CONCENTRATION IN BIOLOGY

A minimum of twenty-four semester hours in the department. A minimum of twelve semester hours of chemistry, at least four of which are organic chemistry, and six hours of physics, is desirable. German or French should be elected to meet the graduation requirement for foreign languages.

Students who plan to teach or become professional biologists should elect the following sequence of courses: Biology 101-102, 201, 203, 228, 328, 343, 365, 367, 399, 425, 442 and 478.

Students preparing for work in medicine, dentistry, nursing or as laboratory technicians should elect the following sequence of courses: Biology 101-102, 201, 203, 343, 367, 440, 442 and 478.

The sequence of courses is subject to approval of the Department Chairman.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN PRE-MEDICAL TRAINING

A minimum of twenty hours in the Department of Chemistry which must include Chemistry 101 or 102, and 301-302; sixteen hours of biology, which must include Biology 101 or 102 and 201; and eight hours in Physics. Sequence of courses subject to approval of the Senior Adviser.

BIOL. 101-102 GENERAL BIOLOGY (3 hrs.) The fundamental structures and life processes of plants and animals including man, and their important interrelationships.

BIOL. 155 INTRODUCTION TO APPLIED MICROBIOLOGY (2 hrs.) An introduction to the study of micro-organisms and their relation to medicine, surgery, and public health. Discussion and laboratory work. Not open for Biology majors.

***BIOL. 167 INTRODUCTION TO MAMMALIAN ANATOMY AND PHYSIOLOGY (3 hrs.)** Mammalian anatomy as exemplified in the cat. Discussion and study of the functioning of the tissues and organ systems of the human body. Laboratory study of the anatomy of the cat, and human physiology. Discussions, demonstrations, and individual laboratory work. Registration restricted to students preparing for nursing and majors in physical education or by permission of the Chairman of the Department. Offered in 1967-68.

BIOL. 201 COMPARATIVE VERTEBRATE ANATOMY (4 hrs.) Comparative anatomy of the representative forms of vertebrates; laboratory study of the comparative anatomy of the shark, some lower vertebrates and cat. Prerequisite: Biology 101-102. Required of all pre-medical students.

***BIOL. 203 GENERAL GENETICS (3 hrs.)** A synthesis of basic principles and modern molecular theory. Facility with simple mathematics is highly desirable. Prerequisite Biology 101-102. Offered in 1967-68.

BIOL. 225 or 226 ECOLOGY (3 hrs.) A study of the general principles of bioecology of plants and animals. Considerable time will be spent in the field. Special emphasis will be placed on field study of one particular community.

BIOL. 228 FIELD BOTANY (3 hrs.) The identification of plants from the field using keys. Morphology and botanical terms will be covered to the extent that the keys can be used successfully. Prerequisite: Biology 101-102 or a course in biology at secondary school level.

*BIOL. 328 ADVANCED GENERAL BOTANY (3 hrs.) The structural relationships of various type forms of the plant kingdom together with a study of the fundamental life processes of plants; growth, irritability, food synthesis and metabolism. Prerequisite: Biology 101-102.

BIOL. 343 BACTERIOLOGY (3 hrs.) Morphology and physiology of yeasts and bacteria; principles of laboratory technique; cultural characteristics and environment influences on bacterial growth.

*BIOL. 365 INVERTEBRATE ZOOLOGY (3 hrs.) The invertebrate animal including phylogeny and morphology. A laboratory study of representative forms of invertebrates will be made. Prerequisite: Biology 101-102. Offered in 1967-68.

BIOL. 367 or 368 ANATOMY AND PHYSIOLOGY OF THE CELLS (3 hrs.) An introduction to the structural organization and the important aspects of cell physiology in the light of modern biochemistry and biophysics.

BIOL. 399-400. JUNIOR SEMINAR IN BIOLOGY (1 hr.) An introduction to the fields of Biology and to biological literature and research. A required course for those students of junior standing whose Field of Concentration is Biology.

BIOL. 402 MARINE BIOLOGY (4 to 6 hrs.) Credit may be given for summer courses taken at the Marine Biological Station at Woods Hole, Massachusetts, or at any other station of similar rank.

*BIOL. 425 ANIMAL PHYSIOLOGY (3 hrs.) Structure and functions of the human body; the mechanism of bodily movements, responses, reactions, and various physiological states. Prerequisites: Biology 101-102 and 201.

*BIOL. 440 HISTOLOGY (3 hrs.) Structure of the cell and its modification into various tissues with special attention to the theory and practice of general histological techniques. Prerequisites: Biology 101-102 and 201. Offered in 1967-68.

BIOL. 442. VERTEBRATE EMBRYOLOGY (4 hrs.) Nature and development of the tissues and organs in vertebrates; embryos of chick and pig studied in the laboratory. Prerequisites: Biology 101-102 and 201.

BIOL. 477-478 SENIOR SEMINAR IN BIOLOGY (1 hr.) Current literature relating to investigations in various fields of biology. Prerequisites: Twenty-two credit hours in biology. Open only to students of senior standing. Required for Field of Concentration in Biology.

BIOL. 480 METHODS AND MATERIALS IN TEACHING BIOLOGY (3 hrs.) The aims and methods of teaching biology in the secondary schools. Special attention will be given to general laboratory procedure and technique. Prerequisite: Sixteen hours in the department and upper division rank. Offered on demand.

BIOL. 487-488 INDEPENDENT STUDY (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. The field of study may be selected by the student interested in Biology, subject to the approval of the Chairman of the Department, according to interest and future needs.

BIOL. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced theoretical and experimental work in biology; an introduction to research. Prerequisites: Biology 101-102; 201. Enrollment limited to students concentrating in Biology who are seniors of superior ability and achievement. Permission of the Chairman of the Department required.

CHEMISTRY

AIMS

To contribute to the student's general culture, his understanding of the nature of the physical world and his understanding of the place of chemistry in industrial and business life; to provide experience in the scientific method of reasoning; and to provide students concentrating in this field with a thorough and practical education in chemistry which may be useful in industrial, technical and graduate work.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty-five semester hours in this department including Chemistry 101, 102 or 110, 301-302, 439-440, 451, 477-478; also Mathematics 201-202 and Physics 101-102. German or French should be elected to meet the graduation requirement for foreign language. The sequence of courses is subject to the approval of the Department Chairman.

A course of study designed to conform to the American Chemical Society standards is required for those students who plan

to become professional chemists or plan to enter graduate work in chemistry. Under this plan, in addition to the chemistry, mathematics and physics requirements listed above for a field of concentration in chemistry, Chemistry 450 and 452 plus two additional semesters of other upper division courses in chemistry and two years of German must also be elected. Mathematics through differential equations, Math. 425-426, is strongly recommended. In addition to the German, a year of French is strongly recommended for those students planning to do graduate work. Among the electives, at least 18 semester hours, exclusive of English and modern language requirements, are required in the humanities.

The entering freshman who is interested in chemistry, should be sure to select Chemistry 101, Mathematics 101, 103 or 201, English 101, German 101 or 201, Physical Education 101 and 3 hours of an elective. Programs for subsequent semesters must be decided in conference with the faculty Adviser for chemistry.

CHEM. 101-102 GENERAL CHEMISTRY AND INORGANIC QUALITATIVE ANALYSIS (4 hrs.) A study of theoretical and descriptive inorganic chemistry and the principles of qualitative analysis. Laboratory work during the first semester is a systematic qualitative scheme of analysis for the cations and anions and during the second semester it is concerned with selected experiments in basic chemical principles and quantitative procedures. Prerequisites: Two units of mathematics or concurrently with Mathematics 101-102. Three lectures and three hours of laboratory per week.

CHEM. 103 INTRODUCTION TO CHEMISTRY (3 hrs.) An introductory course in the principles and applications of inorganic and organic chemistry. Not open to students concentrating in a science. Two lectures and three hours of laboratory per week.

CHEM. 110 INORGANIC CHEMISTRY AND ELEMENTARY QUANTITATIVE ANALYSIS (5 hrs.) A more advanced study of the topics considered in Chem. 102 in addition to elementary quantitative analysis. The laboratory work is quantitative analysis. This course may be substituted for Chem. 102. Prerequisite: Chem. 101 and approval of the instructor. Three lectures and six hours of laboratory per week.

CHEM. 301-302 ORGANIC CHEMISTRY (4 or 5 hrs.) An introductory course in the study of the organic compounds of carbon, both aliphatic and aromatic, involving a considerable amount of the electronic mechanisms of organic reactions. The laboratory work consists largely of organic preparations. Prerequisites: Chem. 101-102 or Chem. 101-110. Three lectures and three or six hours of laboratory per week.

CHEM. 425 ORGANIC QUALITATIVE ANALYSIS (3 hrs.) A course in organic analysis with the emphasis on qualitative analysis. Prerequisites: Chem. 301-302.

One lecture and six hours of laboratory per week.

CHEM. 439-440 PHYSICAL CHEMISTRY (5 hrs.) A study of theoretical chemistry including the following topics: gaseous state, atomic and molecular forces, crystalline state, physical properties and molecular structure, thermochemistry, thermodynamics, liquid state, solutions of electrolytes and non-electrolytes, chemical equilibria, phase diagrams, chemical kinetics, conductance, electromotive force, ionic equilibria. Prerequisites: Chem. 301-302; Physics 101-102 and Mathematics 201-202.

Three or four lectures and three hours of laboratory per week.

CHEM. 442 ADVANCED ORGANIC PREPARATIONS (1 or 2 hours) Organic syntheses, individually assigned, of an advanced nature. Prerequisite: Chemistry 301-302.

Three hours or six hours of laboratory per week.

CHEM. 450 ADVANCED INORGANIC CHEMISTRY (3 hrs.) The chemistry of certain elements and their compounds is studied and interpreted on the basis of modern theories of atomic and molecular structure. Prerequisite: Chem. 439.

Three hours of lecture per week.

CHEM. 451 QUANTITATIVE ANALYSIS (5 hrs.) The lectures cover a review of the stoichiometric and energy relations related to analytical chemistry and deal with the control of equilibria in solutions and the theory of redox determinations. The laboratory work deals with advanced gravimetric and volumetric techniques and complexometric titrations. A study of the precision and accuracy of balances is also presented. Prerequisite: Chem. 439-440.

Three lectures and six hours of laboratory per week.

CHEM. 452 INSTRUMENTAL ANALYSIS (2 hrs.) Laboratory practice with specialized instrumentation for obtaining quantitative data quickly. The operation of the following instruments will be taught: infrared, visible and ultraviolet spectrophotometers; gas and wet column chromatography; polarography, electrometric titrations; use of polarizing microscope and isotope scalers. Practice will also be given in the interpretation of NMR spectra. Prerequisite: Chem. 451.

One three-hour laboratory period plus a one-hour briefing period per week.

CHEM. 460 ADVANCED ORGANIC CHEMISTRY (2 hrs.) The study of selected advanced topics in organic chemistry with emphasis on the mechanisms of organic reactions. Laboratory will be introduced as appropriate and will stress newer techniques both of an instrumental and non-instrumental nature. Prerequisites: Chem. 301-302 and Chem. 439-440.

Two lectures or one lecture and three laboratory hours per week.

CHEM. 470 CHEMICAL THERMODYNAMICS (2 hrs.) A more detailed study of chemical thermodynamics. Prerequisites: Chem. 439-440. Two hours of lecture per week.

CHEM. 472 CHEMICAL KINETICS (2 hrs.) A more detailed study of chemical kinetics. Prerequisites: Chem. 439-440. Two hours of lecture per week.

CHEM. 477-478 SEMINAR IN CHEMISTRY (1 hr.) A survey of the fields of general, analytical, organic and physical chemistry and an investigation of the current literature relating to research in these areas. Required of all students with a Field of Concentration in Chemistry.

CHEM. 487-488 INDEPENDENT STUDY IN CHEMISTRY (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. The field of study may be selected by the student subject to the approval of the Chairman of the Department, according to interest and future needs.

CHEM. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced theoretical and experimental work in chemistry; an introduction to research. Enrollment is limited to seniors of superior ability and achievement. Permission of the Chairman of the Department is required.

COMMUNICATIONS

AIMS

The Field of Concentration in Communications is not the responsibility of a separate faculty, but draws upon the faculties and curricula of the Departments of English, Journalism, Speech and Drama. Its aims are to help students integrate oral and written forms of communication in an inter-disciplinary approach and to enable them to develop an understanding and a philosophy of communication in a liberal education setting.

REQUIREMENTS FOR FIELD OF CONCENTRATION

All students concentrating in Communications must take English 306, Speech 201, Speech 302, Journalism 201, and Philosophy 365. Students are required to complete a minimum of 12 semester hours of English beyond English 103, and at least 24 hours in Journalism and Speech-Drama. The courses in Journalism and Speech-Drama must include at least 12 hours of advanced courses and a sequence distribution of 15 hours in one of these two fields and nine hours in the other.

Recommended sequences for students interested in particular areas of specialization include:

Theater: English 204-205, English 331, English 352, English 402-403, Speech 301, Speech 365, Speech 366, Speech 401, Journ. 304, Journ. 315.

Mass Media: English 204-205, English 303, English 340, English 350; Journalism 303-304-305, Speech 202, Speech 301.

Informational Positions in Education, Government, and Business, or Advertising-Public Relations Work with specialized agencies: English 204-205, English 303, English 340, English 350, Journalism 303-304-305, Journalism 315, Journalism 326, Speech 202.

Students electing a field of concentration in Communications are expected to participate extra-curricularly in at least some of the performing and practice activities in the theater, student publications, and radio.

ECONOMICS

AIMS

The courses are intended to provide students with background for better understanding of current economic and social problems, and thus prepare them for intelligent citizenship; to train students for effective work in business, industry, or government; and to lay a solid foundation for graduate study and teaching in the field.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the Department, including Economics 201-202; 265 or 267-268; six hours selected from 301-302 and 441; and 478. Additional courses should be selected by the student, with the advice of the Department Chairman, in accordance with the student's special interest and his career orientation. A student must attain a grade of at least C in Economics

201 and 202 before he may enter the field of concentration in Economics. Math. 101-102 is strongly recommended. Calculus is strongly recommended for those planning on doing graduate work.

ECON. 126 PERSONAL FINANCE (2 hrs.) Checking accounts, charge accounts, installment buying, planning a budget, financing a home, investing in securities, buying insurance, making a will, starting a business, and other financial problems confronting the college graduate.

ECON. 201-202 PRINCIPLES OF ECONOMICS (3 hrs.) The fundamentals of economics; their application to economic, social and political conditions of today is stressed to give the student an intelligent outlook on current problems.

ECON. 265-266 INTRODUCTION TO ACCOUNTING (3 hrs.) Principles and methods of accounting for different types of business organizations. This course is indispensable for general business training.

ECON. 267 ELEMENTARY ECONOMIC STATISTICS (3 hrs.) Statistical principles and their practical application in government and business; nature, collection and organization of data; presentation of data in tabular and graphic form; the various averages; measures of dispersion; construction and use of index numbers; and measurement of correlation.

ECON. 301-302 INTERMEDIATE ECONOMY THEORY (3 hrs.) An advanced survey of the elements of economic theory, primarily for students concentrating in Economics. First semester: price determination, income distribution, and resource allocation, under conditions of competition, monopoly, and monopolistic competition; second semester: the theory of national income and employment determination, business cycles, inflation, economic stagnation, and economic growth. Prerequisite: Economics 201-202.

*ECON. 320 PRINCIPLES OF MARKETING AND DISTRIBUTION (3 hrs.) The marketing function of the manufacturer, wholesaler, jobber, retailer, mail-order house, chain store and other marketing institutions; cost of distribution; problems of marketing management and planning; modern trends in marketing. Offered in 1967-68.

*ECON. 325 PRINCIPLES OF BUSINESS FINANCE (3 hrs.) Planning financial requirements for business firms. Financing current operations and long term needs. Investment institutions; how leaders and investors evaluate business. Corporate securities.

ECON. 329 MONEY, CREDIT AND BANKING (3 hrs.) The principles of monetary and banking theory as they exist at present and a survey of banking practices; intended to give a thorough understanding of contemporary money, credit and banking problems. Prerequisite: Economics 201-202.

ECON. 331. INTERNATIONAL TRADE AND FINANCE (3 hrs.) The principles of international trade and finance and their application to the modern world; the theory of comparative advantage; exchange rates, monetary standards, and international financial institutions; tariffs and commercial policy; capital movements; aid to underdeveloped countries. Prerequisite: Economics 201-202.

ECON. 361 QUANTITATIVE ANALYSIS (3 hrs.) A course designed to introduce the student to the techniques of differential and integral calculus and matrix algebra with emphasis on their application to economic analysis. A thorough knowledge of high school algebra and plain geometry or a college level course in mathematics is assumed. All techniques relating to the calculus and matrix algebra will be developed in the course. This course is recommended for students considering graduate study in economics or business administration. Prerequisite: Economics 201-202.

*ECON. 365 DATA PROCESSING AND THE ACCOUNTING SYSTEM (2 hrs.) A study of the principles and application of equipment used in processing data with emphasis on Managerial Accounting. Interpretation of financial data and the application of accounting in the various fields of Economics and the other quantitative disciplines. Approval of the instructor required. Offered in 1967-68.

ECON. 368 BUSINESS CYCLES AND FORECASTING (3 hrs.) A course designed to analyze the nature, characteristics, and measurement of business cycles; the problem and techniques of forecasting business conditions, and consideration of policies for developing economic stability within the economy. Prerequisite: Economics 201-202.

ECON. 375 THE ECONOMICS OF GROWTH AND DEVELOPMENT (3 hrs.) A seminar in theories of the economic development of technologically backward countries. Students will have an opportunity to apply analytical tools to specific countries in Asia, Africa and Latin America.

ECON. 431 LABOR ECONOMICS (3 hrs.) A general course in labor economics and industrial relations; employment and unemployment; wages, hours, and productivity; history and objectives of organized labor; managerial labor policies; collective bargaining; current social, economic, and political aspects of labor-management relations.

ECON. 441 HISTORY OF ECONOMIC THOUGHT (3 hrs.) Outstanding writers and their ideas are studied in relation to the conditions that led to important changes and developments in economic thinking; current trends of thought. Recommended to non-economics majors.

ECON. 444 COMPARATIVE ECONOMIC SYSTEMS (3 hrs.) The theoretical systems of capitalism and Marxian and non-Marxian socialism; actual economic systems exemplifying these theoretical modes, studied in terms of their historical evolution. Recommended to non-economics majors.

ECON. 478 SEMINAR IN ECONOMICS (2 hrs.) Economic problems are studied on an advanced level for the purpose of supplementing and correlating work done in other courses. Occasional special lectures and field trips, expenses to be met by the participating students. Open only to seniors concentrating in the Department.

ECON. 477-478 INDEPENDENT STUDY IN ECONOMICS (1 hr) Designed for students who desire to do independent study in some special field. The field of study may be selected by the student subject to the approval of the Chairman of the Department, according to interest and future needs. Enrollment is limited to any juniors or seniors who have special interest in the field.

ECON. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced projects and minor research studies. Readings, conferences and reports on a field of special interest. Enrollment limited to seniors of superior ability and achievement concentrating in this field. Permission of the Chairman of the Department required.

EDUCATION

AIMS

To coordinate with other departments in providing prospective elementary and secondary teachers with balanced programs of professional education and subject specialization, based on a thorough background in the Liberal Arts; to promote maximum utilization of College and public school resources for students' personal and professional development; to emphasize sound principles of effective teaching based on research in human development and learning; to prepare prospective teachers to utilize newly developed curricula, methods, and materials being adopted by progressive schools; to stimulate student thinking about problems in education; to prepare graduates in teacher education to continue their study in graduate school if they so desire.

REQUIREMENTS FOR TEACHER EDUCATION

Curriculum requirements for both elementary and secondary education have been revised to meet new accreditation standards, and are effective for freshmen and sophomores in 1966-67. Because of a curriculum study now being conducted by the college, and possible amendments or new interpretations of the accreditation standards, the programs presented in this Bulletin are subject to change. Juniors and seniors may continue to meet requirements stated in the 1965-66 College Bulletin.

FIELD OF CONCENTRATION IN ELEMENTARY EDUCATION

Four types of requirements are included in the revised elementary education program, which is designed to qualify students for teaching in grades 1-9: (1) general education—involving modifications of the graduation requirements listed on page 74; (2) diversified specialization—consisting of background courses for the various subjects taught in a “self-contained” classroom; (3) subject specialization—consisting of sufficient work in one particular subject area to qualify the teacher for departmental or team teaching; and (4) professional education. Types (1), (2) and (3) may overlap to some extent, depending upon the subject specialization selected. Course requirements are as follows:

GENERAL EDUCATION

(including graduation requirements, p. 74)

English Composition and Speech: English 103 (with grade of C or better); Speech 201.

Religion 101-102, or equivalent courses.

Science and Mathematics: For elementary education elect at least 6 hrs. in one of the following sciences: Biology 101-102; Chemistry 101-102; Physical Science 101-102; or Physics 101-102. Mathematics 101 and 226 are required. For secondary education either (1) elect at least 6 hrs. in one of the above sciences and 6 hrs. in any mathematics courses for which you are eligible, or (2) elect at least 6 hrs. in each of two sciences, and 3 hrs. of mathematics in addition. Those specializing in science or mathematics should refer to specific requirements for such programs.

Social Sciences: History 101-102 and either (1) Social Science 201-202 or (2) Sociology 201, Political Science 225, and Economics 201 or 202. For secondary comprehensive field in Social Studies, elect option 2.

Arts and Humanities: Fine Arts 201 or 202; 6 hrs. American *and* English literature, including at least one of the following—
 Eng 353, 357, 358, 411, 412, 413, 414; elect 3 additional hours from English literature, foreign literature, music, art.
 Psychology or Philosophy: 6 hrs. in one.
 Physical Education: 4 hrs.
 Foreign Language: See graduation requirements p. 78.

DIVERSIFIED SPECIALIZATION

Education 342
 History: 201-202; 225
 Geography 302
 Science: (at least 6 hrs. in addition to that included in GENERAL EDUCATION; the combined total of at least 12 hrs. must include both Biological and Physical Sciences)
 Mathematics 226 (already included in GENERAL EDUCATION)
 Music 479*
 Art 342*
 Physical Education 464*
 Physical Education 328*
 * These courses may not be used to satisfy GENERAL EDUCATION requirements in these areas.

SUBJECT SPECIALIZATIONS

(select one)

Art: Art 241: 242; 301; 302; 303; 304; 342; elect 9 hrs. from 325, 327, 328, 329, 330, and 336. Fine Arts 201 or 202.
 Foreign Language: French, German or Spanish 101-102 or 103-104; 201-202; 301-302 (or Span. 301 & 312). F. L. 425, 478 & 480.
 Health and Physical Education: Physical Education 101-102; 125; 167; 201-202; 328; 402; 442; 464; elect 3 hrs. from P. E. 169-170, 267-268, 439-440, and 243.
 Language Arts: English — 18 hrs. as approved. Journalism 201, Speech 201.
 Mathematics: Mathematics 101; 226; elect 6 hrs. from Math. 102, 201 and 202, or Math. 325 and 326, or Math. 329 and 325.
 Music (vocal or instrumental): Music 143-144; 4 hrs. of 327-328; 422 or 439; 4 hrs. of 141-142b and/or 301-302b; 3 hrs. of 121-122a and/or 122b *and* 2 hrs. of 141-142c or e and/or 301-302c *or* 5 hrs. of 141-142d and/or 301-302d; 479; 1 hr. of 125-126a,b,c,d, and/or e.

Science: Chemistry 101-102; Physics 101-102; Biology 101-102; elect 8 hrs. additional hrs. from Chemistry, Physics, Biology, or Geography 201 or 204.

Speech: Speech 201; 202; 225-226; 301; 365; 302 or 401.

Social Studies: History 101-102; 201-202; 225. Either (1) Political Science 225, Economics 201 or 202, and Sociology 201, or (2) Social Science 201-202 (if the Social Science option is elected, an additional 3 hr. course must be selected from group 1); Geography 302.

PROFESSIONAL EDUCATION

Required courses: Education 201; 202; 242; 301; 341; 345; 346; 376; 443.

Electives: Education 332; 335; 365; 487-488.

TYPICAL FOUR-YEAR SCHEDULE

Following is a sample schedule for a student with a field of concentration in elementary education. The subject specialization in this instance is Social Studies. Education courses are scheduled in the required sequence. Sequence of all courses is subject to the approval of the Education Department Senior Adviser.

Freshman Year

English 103
Religion 101
Biology 101
History 101
French 101
Phys. Ed. 101

Speech 201
Religion 102
Biology 102
History 102
French 102
Phys. Ed. 102

Sophomore Year

Education 201
History 201
Mathematics 101
French 201
Psychology 201
Phys. Ed. 201

Education 202
History 202
Mathematics 226
French 202
Psychology 202
Phys. Ed. 202
Education 242

Junior Year

Physical Sci. 101
Education 345
Fine Arts 201
Soc. Science 201
Art 342
English 341
History 225

Physical Sci. 102
Education 341
Education 376
Social Sci. 202
Phys. Ed. 328
English 358

Senior Year

Education 301	Music 479
Education 342	Geography 302
Education 346	Phys. Ed. 464
Education 443	Sociology 201
Education 365	Art 301
	Elective

SECONDARY EDUCATION — The College does not offer a “field of concentration” in secondary education as such. Students preparing to teach in secondary schools select one or two academic fields of concentration representing their teaching fields and follow the teacher preparation programs prescribed. These programs include three types of requirements: (1) general education—involving modifications of the graduation requirements listed on page 76; (2) subject specialization—consisting of sufficient work in one or two subject fields to qualify for teaching in them; and (3) professional education. Types (1) and (2) may overlap to some extent, depending upon the subject specialization(s) selected. Course requirements are as follows:

GENERAL EDUCATION — See **GENERAL EDUCATION** for field of Concentration in Elementary Education above. Requirements are the same except as noted.

SUBJECT SPECIALIZATION — A student may specialize in *either* one “comprehensive” teaching field or a combination of two “single” teaching fields. The total amount of subject matter preparation required for two single fields is about the same as that required for one comprehensive field. Under ordinary circumstances it is impossible to complete requirements for a single field in addition to a comprehensive field in four years. Course requirements for the fields of specialization offered by the College are as follows:

COMPREHENSIVE FIELDS (one required)

Biology and General Science (Grades 7-12): Biology 101-102; 167; 203; 225; 228; 367; 478. Chemistry 101-102. Physics 101-102; 128. Geography 201 or 204. Becomes single field of Biological Science if Phys. 128 and Geography are omitted.

Chemistry and General Science (Grades 7-12): Chemistry 101-102; 110; 301-302. Physics 101-102; 128. Geography 201 or 204. Biology 101-102; 2 hrs. Bio. electives. Becomes single field of Chemistry if Phys. 128 and Geography are omitted.

Language Arts (Grades 7-12): English — 30 hrs. as approved. Speech 201, 202, 225-226, 301 and/or 365 (if either 225 or 226 is omitted, elect 2-3 additional hrs. in any Speech courses). Journalism 305; 335.

Mathematics (Grades 7-12): Mathematics: 101-102; 191-192 (may be taken by students exempted from 101-102 by examination) or 201-202; 303-304; 325 and 326 *and/or* 329 and 352 (if either of these pairs are omitted, elect 6 additional hrs. from 327, 328, 341, 402, 425 and 428).

Music (Grades 7-12 & 1-12): Music 143-144; 303-304; 343; 344. Fine Arts 201 or 202. Music 327-328; 422; 439; a total of 18 hrs. applied music including (1) 3-8 hrs. from 121-122a, 121b, and/or 122b, (2) 4-8 hrs. from 141-142b, 301-302b—or proficiency exam., and (3) 2-8 hrs. from 141-142d, 301-302d. Four hrs. from Mus. 125-126a,b,c,d, and/or e. Mus. 478. Both Mus. 479 and 480 required for Grades 1-12.

Physics and General Science (Grades 7-12): Physics 101-102; 301; 305; 325; 3 hrs. of 341-342; 128. Chemistry 101-102. Geography 201 or 204. Biology 101-102; 2 hrs. Bio. electives. Becomes single field of Physics if Phys. 128 and Geography are omitted.

Social Studies (Grades 7-12): History 101-102; 201-202; any other 3 hr. course in Amer. History; 9 additional hrs. of any other History courses. Political Science 225; any other 3 hr. course in Pol. Sci. Economics 201-202. Sociology 201; any other 3 hr. course in Sociology. Geography 201; 302.

SINGLE FIELDS (two required)

Art (Grades 7-12 & 1-12): Art 241; 242; 301; 302; 303; 304; elect 9 hrs. from 325, 327, 328, 329, 330, and 336. Fine Arts 201 or 202. Both Art 342 and 480 required for Grades 1-12.

Biological Science (Grades 7-12): Same as Biology and General Science Comprehensive Field, above, with omission of Physics 128 and Geography.

Chemistry (Grades 7-12): Same as Chemistry and General Science Comprehensive Field, above, with omission of Physics 128 and Geography.

English (Grades 7-12): English — 36 hrs. as approved. Speech 201; 225 or 226 recommended but not required.

Foreign Language (Grades 7-12 & 1-12): French, German or Spanish 101-102 or 103-104; 201-202; 18 hrs. from one of the following groups—courses with asterisk required: (1) French 301*-302*; 303-304; 325-326; 327-328; 425; *or* (2) German 301*-302*; 303-304; 427-428; *or* (3) Spanish 301*; 312*; 327-328; 427-428.

Note: Students electing French as one teaching field, may meet requirements for teaching Spanish by completing 18 hrs. of Spanish-*or* vice versa-*and* adding Foreign Language 425 and 478. This is considered a combination of two single fields, and no additional teaching field is required.

General Science (Grades 7-9): Chemistry 101-102. Physics 101-102; 128. Geography 201 or 204. Biology 101-102; 2 hrs. elective in Biology.

Health and Physical Education (Grades 7-12 & 1-12): Requirements and electives in each of six main areas, with required courses designated by asterisks, are: (1) P. E. 167* *or* 425*, and 424*; (2) 12 hrs. from P.E. 101*-102*, 201*-202*, 169-170, 227-228, 243, 267-268, 301-302, 303, 304, 326, 328 and 439-440; (3) 3 hrs. from P.E. 441 and 442*; (4) 3 hrs. from P.E. 341 and 428*; (5) 2 hrs. P.E. 402; (6) 8 hrs. from P.E. 125*, 226, 340, and 464*.

Journalism (Grades 7-12): Journalism 201; 302; 303; 305; 335; 2 hrs. of 487 (News Photog.); electives in Journ. 4 hrs.

Mathematics (Grades 7-12): Mathematics 101-102; 191-192 (may be taken by students exempted from 101-102 by examination) *or* 201-202; 325 and 326 *or* 329 and 352.

Physics (Grades 7-12): Same as Physics and General Science Comprehensive Field above, with omission of Physics 128 and Geography.

Because of the total semester hours involved, certain combinations of single fields might be extremely difficult to complete in a four year program unless the student has considerable advanced placement credit or waivers, or can take some of his work in summer school.

TYPICAL FOUR-YEAR SCHEDULE

Following is a sample schedule for a student with subject specializations in English and Journalism. Education courses are scheduled in the required sequence. Sequence of professional education courses is subject to the approval of the Education Department.

Freshman Year

English 103
Journalism 201
Biology 101
History 101
Spanish 101
Phys. Ed. 101

Religion 102
Speech 201
Biology 102
History 102
Spanish 102
Phys. Ed. 102

Sophomore Year

Education 201
Mathematics 101
Social Science 201
Spanish 201
Phys. Ed. 201
Speech 225
Journalism 303

Education 202
Mathematics 202
Social Science 202
Spanish 202
Phys. Ed. 202
English 228

Junior Year

Philosophy 201
English 305
English 341
English 401
English 227
Journalism 335

English (or Ed.) 480
English 306
English 342
English 392
Journalism 305
Education 378

Senior Year

Education 301
Education 328
Education 475
English 485
Journalism 487

Religion 101
English 486
Journalism 302
Journalism elective
Journalism 488
Fine Arts 202
Philosophy 202

ADMISSION TO TEACHER EDUCATION

During Freshman Week there will be a special session for those interested in preparing to teach. Questionnaires will be distributed on which students may indicate their choice of programs, i.e., elementary or secondary, and subject specializations. Students' Advisers will be notified so they can be prepared to assist in selecting appropriate courses.

Freshmen starting their programs are urged to consult a member of the Education Department as soon as possible for counseling with respect to prospects for employment in the various teaching fields, state certification requirements, etc.

During the second semester of the sophomore year, and after the student has completed at least one secondary course, written application for admission to the elementary or secondary teacher

education program should be submitted to the Department of Education on forms obtained from the Department. The due date will be announced.

Applications are appraised by the Teacher Education Review Committee with respect to academic achievement, emotional and physical fitness, personality traits, and other factors the Committee considers essential to a teaching career. The Committee may: (1) recommend full or conditional approval; (2) suggest programs to overcome certain deficiencies, or, in some cases, (3) recommend that the student not prepare for teaching.

A "C" average must be attained in all professional education courses attempted through the sophomore year for admission to subsequent professional education courses. All Committee recommendations for approval are on this condition.

The Committee may review a student's qualifications at any time and issue appropriate recommendations. The general qualifications of all students are reviewed at the time they apply for student teaching.

BLOCK OF PROFESSIONAL PREPARATION

Each student pursuing a curriculum in teacher education will take a designated group of professional courses, including student teaching, during the *first* semester of the senior year. This is designated as the PROFESSIONAL BLOCK. Requirements for admission to the PROFESSIONAL BLOCK are as follows:

PREREQUISITES — Students should have satisfied all prerequisites to Education 443 or 475 that precede the professional block program. Prerequisites cannot be deferred until after student teaching or taken at another institution without *written* permission of the Department of Education.

ELEMENTARY EDUCATION—A student must have a general "C" average in all academic work, and a "C" average in professional (Education) courses taken prior to the time he is admitted to the PROFESSIONAL BLOCK.

SECONDARY EDUCATION—A student must have a general "C" average in all academic work, a "C" average in his teaching field(s), and a "C" average in professional education courses, including special methods courses, taken prior to the PROFESSIONAL BLOCK.

APPLICATION FOR STUDENT TEACHING—Students are required to make application for student teaching during the second semester of the junior year, on forms provided by the Education Department. This application requests the recommendation of the student's Senior Adviser and requires the approval of the Chair-

man of the Department of Education. Applications will not be accepted from students not previously admitted to teacher education, as explained above.

THE PROFESSIONAL BLOCK PROGRAMS

ELEMENTARY EDUCATION: First Semester, *Senior Year*
 Education 301 4 wks. 1½ periods daily 2 hrs. credit
 Education 342 9 wks. 1 period daily 3 hrs. credit
 Education 346 9 wks. 1 period daily 3 hrs. credit
 Education 443 16 wks. Student teaching and seminar
 6 hrs. credit

SECONDARY EDUCATION: First Semester, *Senior Year*
 Education 301 4 wks. 1½ periods daily 2 hrs. credit
 Education 328 5 wks. 2 periods daily 3 hrs. credit
 Education 475 16 wks. Student teaching and seminar
 6 hrs. credit

“September experience” in a school in the student’s community is arranged prior to student teaching.

Students will not be permitted to schedule courses in conflict with the *block* during the semester they are enrolled in it, or carry extracurricular activities which will interfere with the requirements imposed by the *block*. Any exception to the above must be approved by the Chairmen of the Departments concerned and by the Dean of the Faculty. Students should *not* register for more than 16 hours of academic work, including student teaching, during the semester in which they are enrolled in the PROFESSIONAL BLOCK.

Student teachers may be required to live in the community to which they are assigned. Additional expense for off-campus living, transportation, and meals might total about \$150—partly offset by some reimbursement of board fees by the college.

CERTIFICATION

To be licensed or “certified” to teach in any state, a student must meet the particular requirements of that state.

The Bethany College programs meet course requirements of most states, but every freshman planning to teach outside West Virginia should confer with a member of the Education Department as soon as possible to find out if there are any additional requirements. All students should make sure that pertinent waivers or advanced standing are entered on their academic records.

Near the end of his senior year, each student should initiate application procedures. This usually involves obtaining the nec-

essary form from his state department of education, filling out the applicant's portion, and leaving it with the Registrar for completion and submission after graduation.

All applications require the Education Department Chairman's recommendation. To be recommended, a student must meet—in addition to certification requirements of the state for which he is applying—the following qualifications: (1) successful student teaching experience; (2) completion of the National Teacher Examinations during his senior year, as arranged by the Education Department; (3) completion of one of the approved teacher education programs described above; (4) eligibility for graduation; and (5) evidence of personal traits and character conducive to success as a teacher.

ED. 141 INTRODUCTION TO EDUCATION (3 hrs.) (School and Society) A survey of the aims, procedures, organization, and support of public education in the United States. Designed to acquaint the student with the needs of the schools, the opportunities for employment, and professional problems. Not required for students entering as freshmen in 1965-66 or later.

ED. 242 PRINCIPLES AND CURRICULUM OF ELEMENTARY EDUCATION (2 hrs.) Teaching and learning principles which affect planning for the development and education of the child through the first six grades, with an overview of curriculum as it affects the various levels in the elementary program. Planning with children and parents, teaching in the classroom and the community, organizing appropriate activities and materials, and reporting the child's progress to parents.

ED. 201-202 HUMAN DEVELOPMENT AND LEARNING (3 hrs.) The understanding and appreciation of individual and group development from infancy to adolescence are studied during the first semester, and adolescence and learning theories during the second semester. The type of school which best meets the needs and interests of children and youth is considered. Observation and first-hand contacts with children are provided. Freshmen admitted only with instructor's consent.

ED. 301 HISTORY AND PHILOSOPHY OF EDUCATION (3 hrs.) Historical development of modern education, emphasizing the theories and principles of educational philosophers and other leading educators and their impact upon present day theory and practice. Current issues in American education. Will be 2 sem. hrs. starting in 1967-68.

ED. 328 PRINCIPLES AND TECHNIQUES OF SECONDARY EDUCATION (3 hrs.) The aims, functions, and curriculum organization of the secondary schools; basic methods, materials and techniques, including evaluation, applicable to modern secondary teaching in junior and senior high schools.

ED. 333 PSYCHOLOGICAL FOUNDATION OF EDUCATION (3 hrs.) See Psychology 332. A study of the application of psychological principles to the field of Education. Included will be the areas of learning, transfer of training, individual difference, motivation, achievement testing, and the language and communication skills as they apply to education.

ED. 335 EDUCATIONAL TESTS, MEASUREMENT AND EVALUATION (2 hrs.) (Psychology 335.) The course will deal mainly with group testing, with attention to the construction and use of standardized and of *ad hoc* tests. The necessary correlation techniques will be included. Recommended especially for students in secondary education.

ED. 341 LANGUAGE ARTS IN ELEMENTARY AREA (3 hrs.) Teaching the skills of reading, listening, speaking and writing as they relate to the total curriculum throughout the elementary program. Strong emphasis on teaching of reading and the integration of the related areas in language arts. Classroom experience in public school.

ED. 342 CHILDREN'S LITERATURE IN THE ELEMENTARY SCHOOL (3 hrs) Includes a background of the history of children's literature; familiarity with established and current literature in this area; methods and techniques of using current literature; work with story-telling groups.

ED. 345 TEACHING MATHEMATICS IN ELEMENTARY AREA (3 hrs.) Emphasis on arithmetical skills, including the understanding of fundamental processes; comparison of different philosophies in teaching arithmetic; elements of modern mathematics; practical application of arithmetical skills at all levels of the curriculum. Classroom experience in public school.

ED. 346 TEACHING SOCIAL STUDIES AND SCIENCE IN ELEMENTARY AREA (3 hrs.) Emphasis on science and social studies including history and geography as approached through the unit study method. Planning the curriculum to bring about understanding of these areas in relation to living in our society.

ED. 365 AUDIO-VISUAL EDUCATION (2 hrs.) Selection and effective utilization of visual and auditory materials and equipment including pictures, slides, motion pictures, television, recordings, and programmed materials. Laboratory experiences with audio-visual materials and equipment. Students who have not completed any professional education courses admitted only with the instructor's consent.

ED. 376 JUNIOR SEMINAR IN ELEMENTARY EDUCATION (1 hr.) Offered in 1967-68.

ED. 378 JUNIOR SEMINAR IN SECONDARY EDUCATION (1 hr.) Offered in 1967-68.

ED. 443 OBSERVATION AND DIRECTED TEACHING IN ELEMENTARY EDUCATION (6 hrs.) Observation and full-time teaching at both primary and intermediate levels for an eight-week period, distributed to include a minimum of 200 clock hours of direct teaching responsibilities. Students are required to submit an application for permission to take this course prior to advance registration. Students should not register for more than sixteen hours of academic work, including student teaching, during the semester that this course is carried. Prerequisite: Education 141, 142, 201-202, and required methods courses in elementary education; concurrent enrollment in Education 301, 346, and Psychology 332.

ED. 475 OBSERVATION AND DIRECTED TEACHING IN SECONDARY EDUCATION (6 hrs.) Observation and full-time teaching in public secondary schools; participation in school activities; acquaintance with the role of teachers and principals in administration of the high schools. *Seminar is required throughout the semester.* Students are required to make application for permission to take this course prior to advance registration. Students should not register for more than sixteen semester hours of academic work including student teaching during the semester that the course is carried. Prerequisite: Education 141, 202, and 480; concurrent enrollment in Education 301, 328, and Psychology 332.

ED. 478 SENIOR SEMINAR IN SECONDARY EDUCATION (1 hr.) Offered in 1968-69.

ED. 480 SPECIAL METHODS IN TEACHING (2 or 3 hrs.) See courses offered in several departments, viz:

Art 480

Biology 480

Chemistry 480

English 480

Foreign Languages 480
 Mathematics 480
 Music 479, 480
 Physical Education 464, 480
 Physics 480
 Social Science 480

ED. 487-488 INDEPENDENT STUDY IN EDUCATION (1 to 3 hrs.)
 Designed for those students who plan to teach and desire to do independent study in some particular area. The field of study may be selected by the student, subject to the approval of the Head of the Department, according to interest and future needs.

ENGLISH

AIMS

To teach students to write effectively and to understand the structure of the English language; to provide them with a knowledge of major literary works; to provide them with standards for the intelligent evaluation of literature.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Course Requirements

1. All of the following: 220, 228, 229, 230, 391, 485, 486.
2. Three of the following: 340, 341, 405, 406.
3. One of the following: 353, 356, 357.
4. One of the following: 407, 408, 409, 410, 411, 412.
5. For prospective secondary school teachers only: 305, 306, 480. Prospective teachers may omit any one of the courses required above, except 220, 485, 486.

Departmental Reading

At the beginning of each semester, English majors will be provided with a list of books intended to supplement their course and seminar work. Informal discussions of these books, led by members of the English faculty, will be held at intervals throughout the academic year. Familiarity with the books will be expected on the Senior Comprehensive Examination.

Courses in Other Departments

English majors are expected to take a course in the History of England, American History or Economics, and a course in Philosophy. If qualified, they should also take literature courses in a foreign language.

ENG. 103 FRESHMAN COMPOSITION (4 hrs.) Training in the principles of clear and effective writing in conjunction with the reading of significant works of literature. Each student will write approximately ten essays based on course readings, and one long paper based on research. Students who complete this course with a grade of C or above will be exempt from English 201-202. Offered every semester.

ENG. 201-202 EXPOSITORY WRITING (1 hr.) Intensive practice in writing with emphasis upon the achievement of clear and effective expression. Required of all students whose grade in English 103 is below average. Students who complete English 201 with a grade of C or above will be exempt from English 202.

ENG. 221 PREFACE TO LITERARY STUDIES (3 hrs.) A course designed to introduce the English major to the methods and materials of literary research and to terms and allusions necessary for the intelligent understanding of literature. The course includes the study of mythology, poetic form and technique, bibliography, and the elements of criticism. Must be taken by English majors before the second semester of their Junior year.

ENG. 227 BRITISH LITERATURE I (3 hrs.) Literary history from Beowulf to the Renaissance.

ENG. 228 BRITISH LITERATURE II (3 hrs.) Literary history from the Renaissance to the Restoration.

ENG. 229 BRITISH LITERATURE III (3 hrs.) Literary history from the Restoration to the beginnings of the Romantic Movement. Offered 1967-68 and annually thereafter.

ENG. 230 BRITISH LITERATURE IV (3 hrs.) Literary history from the Romantic Movement to World War I. Offered 1967-68 and annually thereafter.

ENG. 305 ADVANCED WRITING (3 hrs.) Intensive practice in the writing of imaginative or expository prose, with emphasis upon the achievement of literary excellence. Individual assignments and frequent conferences. Student must consult with the instructor before registering for the course. May be repeated for credit with permission of the instructor.

ENG. 306 THE ENGLISH LANGUAGE (3 hrs.) Study of the changes in the English language from Anglo-Saxon to Modern English, with emphasis upon the structure and vocabulary of the latter.

ENG. 341-342 MAJOR AMERICAN WRITERS (3 hrs.) Study of major writers from the Colonial Period to the present, with emphasis upon those of the nineteenth and twentieth centuries.

ENG. 353 GREAT PLAYS (3 hrs.) Study of significant plays in English and in translation. Reading will be chosen from the works of Aeschylus, Sophocles, Euripides, Aristophanes, Corneille, Racine, Molière, Marlowe, English dramatists of the seventeenth and eighteenth centuries, Ibsen, Shaw, Chekhov and others.

ENG. 357-358 GREAT NOVELS (3 hrs.) Study of significant novels in English and in translation. Novels will be chosen from the work of Cervantes, Fielding, Austen, E. Bronte, Dickens, Hardy, Dostoevsky, Tolstoy, Turgenev, Zola, Kafka, Conrad, Melville, Hawthorne, Joyce and others.

ENG. 392 LITERARY CRITICISM (3 hrs.) Study of the value and function of criticism and of various critical approaches to literature from Aristotle to the present. Practical criticism and analysis of poetry and prose.

ENG. 401-402 SHAKESPEARE (3 hrs.) Study of the major plays; some attention to the non-dramatic poems.

ENG. 405-406 STUDIES IN AMERICAN LITERATURE (3 hrs.) A seminar for the study of a single theme, genre, or movement, or of the work of several related writers. The topic will vary from semester to semester. During the first semester of 1966-67, the work of Mark Twain and Henry James will be studied. At least one seminar will be offered annually.

ENG. 407-408 STUDIES IN LITERARY PERIODS (3 hrs.) A seminar devoted to the study of a limited period of time in British Literature. During the first semester of 1966-67, the seventeenth century will provide the topic. During the second semester, the topic will be chosen from literature of the nineteenth century. At least one seminar will be offered annually.

ENG. 409-410 STUDIES IN MAJOR AUTHORS (3 hrs.) A seminar in which the work of a major author (British, American, or non-English) of the stature of Chaucer, Shakespeare, Spenser, Milton, Swift, Faulkner, Joyce, Eliot, Melville, Dostoevsky, and Homer will be included. During the second semester of 1966-67, the seminar will be devoted to either the works of Milton or Dostoevsky. At least one seminar will be offered annually.

ENG. 411-412 STUDIES IN LITERARY GENRES (3 hrs.) A seminar in which a single literary genre or mode will be studied. Among those to be included are tragedy, comedy, biography, autobiography and related forms, epic, satire, the lyric, and others. The topic will vary from semester to semester. During the first semester of 1966-67, biography will be the topic, with readings from Plutarch, Walton, Johnson, Boswell, Lockhart, Morison, D.S. Freeman, C.D. Bowen, Chute and others. At least one seminar will be offered annually.

ENG. 413-414 STUDIES IN TWENTIETH CENTURY LITERATURE (3 hrs.) A seminar for the study of modern fiction, poetry, or drama. When fiction and drama are studied, readings will include works in English and in translation. The type of literature to be studied will vary from semester to semester. In 1966-67, fiction will be studied during the first semester, and drama during the second. At least one seminar will be offered annually.

ENG. 480 METHODS OF TEACHING ENGLISH (2 hrs.) Study of the methods and materials used in the teaching of English in secondary schools, with emphasis upon grammar and composition.

ENG. 485-486 SENIOR SEMINAR (1 hr.) Reading, criticism and research designed to correlate the work of other courses. One of the requirements of the seminar will be the preparation of the Senior Essay. Specific instructions for preparing the Essay may be obtained from the Chairman of the Department.

ENG. 487-488 INDEPENDENT STUDY (1-3 hrs.) Independent work in an area of the student's interest. Before registering for Independent Study, the student must outline his proposed plan of study and have it approved by the Chairman of the Department and by the instructor whom he wishes to have supervise his work. May be repeated for credit with permission from the Chairman of the Department.

ENG. 491-492 HONORS (1-3 hrs.) Advanced independent research in an area of special interest. Open only to superior students. Students may register for this course only upon recommendation by the Chairman of the Department. May be repeated for credit.

FINE ARTS

AIMS

The Department of Fine Arts is not a separate faculty; it draws upon the faculties and curricula of the Departments of Art, Music, Philosophy, and Speech and Drama. Its aims are to give expression to the aesthetic unity of the various forms and modes of art, and to permit students to pursue a non-professional interest in these fields.

REQUIREMENTS FOR FIELD OF CONCENTRATION

All students concentrating in Fine Arts must take Fine Arts 201-202; Art 241 or Art 242; Speech 301; Music 101 or Music 143; Philosophy 377; and Fine Arts 478. In addition, at least eight courses must be elected from at least two of the following categories, with an emphasis (five courses) in one of the categories. At least four of these eight courses must be in courses 300 or above.

1. Art: advance art studio and art history courses.
2. Music: music theory and music literature courses.
3. Speech and Drama: basic speech courses and advanced drama courses.

Students electing this field of concentration would also normally be expected to participate extra-curricularly in at least some of the performing and practicing activities in the area of emphasis.

A student concentrating in Fine Arts may elect a related field in another Department, or in Art, Music, or Speech and Drama. In the latter case, however, the related field may not be the same as the area of emphasis, and the same courses may not be used in satisfying the requirements both for the field of concentration and for the related field.

Students primarily interested in Art or Music should also consult the sections of this catalogue dealing with the fields of concentration in those Departments.

FINE ARTS 201-202 INTRODUCTION TO THE ARTS (3 hrs.) An introduction to the history of Art, Music, and Theatre from the Renaissance to the present with some reference to ancient and medieval precedents. The first semester extends to approximately the middle of the 18th century.

FOREIGN LANGUAGES

AIMS

To introduce students to the language, literature and culture of France, Germany and the Spanish-speaking countries; to provide training in reading for students who are interested in scientific or historical study requiring a foreign language as a "tool subject"; and to give adequate training in language, literature and expression to students who are preparing to be teachers, translators, or representatives in foreign service.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN FRENCH, GERMAN, OR SPANISH

A minimum of twenty-four hours in the language, not including French 101-102, German 101-102 or Spanish 101-102, with eighteen hours of advanced courses. A reading knowledge of one foreign language other than the one chosen as the field of concentration. Students expecting to teach a foreign language must complete Foreign Languages 480. Foreign Languages 425 is required in each field. History 301 and 302 are recommended. Sequence of courses subject to approval of the Department Chairman.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN FOREIGN LANGUAGES

A minimum of eighteen hours in advanced courses in French, German or Spanish; at least six hours advanced courses in a second language; reading knowledge of the third; Foreign Languages 425. The sequence of courses is subject to approval of the Chairman.

FRENCH

FR. 101-102 FIRST YEAR FRENCH (3 hrs.) Fundamentals of grammar, pronunciation and composition. Emphasis on audio-lingual approach to develop basic skills of comprehension, speaking, writing, and reading. Two hours' laboratory work per week in addition to three hours' classroom work. Course is intended for students who have no acquaintance with the language and is not open to students who have had previous instruction in French. Not more than six hours credit can be earned in 101-102 and 103-104.

FR. 103-104 **FIRST YEAR FRENCH (REVIEW)** (3 hrs.) A review of the fundamentals of grammar, pronunciation and composition for students who have studied French before but who do not make a high enough score on the entrance placement test to admit them to French 201-202. Two hours' laboratory work per week in addition to three hours' classroom work. Not more than six hours credit can be earned in 101-102 and 103-104

FR. 201-202 **INTERMEDIATE FRENCH** (3 hrs.) Grammar review, composition, dictation, intensive and extensive reading. Two hours' laboratory work per week in addition to three hours' classroom work. Prerequisite: French 101-102 or a satisfactory standing in an achievement test.

FR. 301-302 **CONVERSATION AND COMPOSITION** (3 hrs.) Conversation, dictation, and composition. Special attention to current publications and present day events. To fulfill the requirements the student must attend the weekly language table at the dinner hour. Prerequisite: French 202 or equivalent.

*FR. 303-304 **THE NOVEL** (3 hrs.) The French novel from its beginning to the twentieth century. Conducted in French. Prerequisite: A reading knowledge of French. Offered in 1967-68.

*FR. 327-328 **HISTORY OF FRENCH LITERATURE** (3 hrs.) Survey of French literature from the early periods to the present time. Readings in French from an anthology. Conducted in French. Prerequisite: A reading knowledge of French.

*FR. 425 **SEVENTEENTH CENTURY DRAMA** (3 hrs.) Study of the plays of Corneille, Racine, and Moliere, as representative of the classical spirit in France. Conducted in French. Prerequisite: A reading knowledge of French; French 327-328 recommended.

GERMAN

GER. 101-102 **FIRST YEAR GERMAN** (3 hrs.) Fundamentals of pronunciation, grammar, reading and composition. Emphasis on audio-lingual approach to develop basic skills of comprehension, speaking, writing, and reading. Two hours' laboratory work per week in addition to three hours' classroom work. For students who have no acquaintance with the language.

GER. 201-202 INTERMEDIATE GERMAN (3 hrs.) Grammar review, composition, dictation, intensive and extensive reading. Two hours' laboratory work per week in addition to three hours' classroom work. Special emphasis on outside reading in student's field of concentration. Prerequisite: German 101-102, or equivalent.

GER. 301-302 CONVERSATION AND COMPOSITION (3 hrs.) Conversation, dictation, and composition. Special attention to current publications and present day events. To fulfill the requirements the student must attend the weekly language table at the dinner hour. Prerequisite: German 202 or equivalent.

*GER. 303-304 NINETEENTH CENTURY (3 hrs.) Reading and critical study of the nineteenth century, especially Kleist, Hebbel, Heine, Keller; special emphasis on the drama and the Romantic School. Outside readings and reports. Conducted in German. Prerequisite: A reading knowledge of German.

GREEK

Students wishing to study Greek language and literature should enroll in FOREIGN LANGUAGE 487-488. See also, RELIGION 211-212 and 411-412, BEGINNING and INTERMEDIATE NEW TESTAMENT GREEK.

LATIN

Students wishing to study Latin language and literature should enroll in FOREIGN LANGUAGE 487-488.

SPANISH

SPAN. 101-102 FIRST YEAR SPANISH (3 hrs.) Fundamentals of pronunciation, grammar, reading and composition. Emphasis on audio-lingual approach to develop basic skills of comprehension, speaking, writing, and reading. Two hours' laboratory work per week in addition to three hours' classroom work. For students who have no acquaintance with the language. Not open to students who have had previous instruction in Spanish. Not more than six hours credit total can be earned by any combination of 101-102 and 103-104.

SPAN. 103-104 FIRST YEAR SPANISH (REVIEW) (3 hrs.) A review of the fundamentals of grammar, pronunciation and composition for students who have studied Spanish before but who do

not make a high enough score on the entrance placement test to admit them to Spanish 201-202. Two hours' laboratory work per week in addition to three hours' classroom work. Not more than six hours credit can be earned by any combination of 101-102 and 103-104.

SPAN. 201-202 INTERMEDIATE SPANISH (3 hrs.) Grammar, oral work and reading. Practice in dictation, writing and speaking. Reading of modern prose and plays. Two hours' laboratory work per week in addition to three hours' classroom work. Prerequisite: Spanish 101-102 or equivalent.

SPAN. 301-302 CONVERSATION AND COMPOSITION (3 hrs.) Conversation, dictation, and composition. Special attention to current publications and present day events. To fulfill the requirements the student must attend the weekly language table at the dinner hour. Prerequisite: Spanish 202 or equivalent.

*SPAN. 325 INTRODUCTION TO LATIN AMERICAN LITERATURE (3 hrs.) A general survey of Latin American literature from the 16th to the 20th century with special attention to Modernism and contemporary movements. Conducted in Spanish. Prerequisite: Span. 202 or equivalent.

*SPAN. 327-328 SURVEY OF SPANISH LITERATURE (3 hrs.) A general survey of Spanish literature from its beginnings in the Medieval period to the present. Lectures, readings, and reports. Conducted in Spanish. Prerequisite: Spanish 202 or permission of the Chairman of the Department.

SPAN. 427 SPANISH REALISM OF THE 19TH CENTURY (3 hrs.) A study of the development of the drama and novel during the period of realism in Spain. Prerequisite: A reading and speaking knowledge of Spanish.

SPAN. 428 TWENTIETH CENTURY SPANISH LITERATURE (3 hrs.) A study of Spanish literature from the beginning of the 20th century. Prerequisite: A reading and speaking knowledge of Spanish.

FOREIGN LANGUAGES

*F.L. 425 LINGUISTIC DEVELOPMENT OF LANGUAGES (3 hrs.) An introduction to historical, structural and applied linguistics. The development of English, French, German and Spanish from the Indo-European to modern times. Special emphasis on current developments in linguistics and semantics. Required of all majors in the department. Open to other students with the permission of the Chairman of the Department. Offered in 1967-68.

F.L. 450 FOREIGN AREA STUDY (6 hrs.) The Bethany College European Seminar. Independent Study in Europe during summer in various fields of The Liberal Arts, e.g., Art, Architecture, Languages, Literature, History, Comparative Education. Written Reports; Lectures at Foreign Universities; Study of Cultural, Historical Monuments under European Faculty. Registration for credit optional.

F.L. 478 SEMINAR (3 hrs.) Intensive, integrated study in field of concentration. Geography, history, government, education, science, press, art and music of French, German or Spanish-speaking countries. Required of students selecting a Field of Concentration in Foreign Languages.

F.L. 480 METHODS AND MATERIALS IN TEACHING FOREIGN LANGUAGES (3 hrs.) Study of methods, classroom materials, extra-curricular activities necessary for the teacher of French, German, or Spanish. Special emphasis on the audio-lingual techniques, applied linguistics and language laboratory.

F.L. 487-488. INDEPENDENT STUDY IN FOREIGN LANGUAGES (1 to 3 hrs.) Designed for those students interested in Foreign Languages who desire to do independent study in some special field. The field of study may be selected by the student, subject to the approval of the Chairman of the Department, according to interest and future needs.

F.L. 491-492 HONORS COURSE (1 to 3 hrs.) Minor research studies. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in Foreign Languages who are seniors of superior ability and achievement. Permission of the Chairman of the Department required.

GEOGRAPHY AND GEOLOGY

GEOG. 201 PRINCIPLES OF GEOGRAPHY (3 hrs.) The general principles of the science including earth origins, the results of the dynamic geological agencies tending to change its surface. Practical work in mineralogy, physiography and stratigraphy is required during the course.

***GEOG. 302 WORLD GEOGRAPHY** (3 hrs.) A study of the physical, social and political geographic factors of the world today. Recent changes in Europe, Asia and Africa will be stressed.

GEOG. 204 HISTORICAL GEOLOGY (3 hrs.) The history of the earth as revealed by its strata. Laboratory and field study of the common fossil and local formations.

HISTORY AND POLITICAL SCIENCE

AIMS

To present the origin and development of institutions and ideas; to point out the great traditions that are molding our thought and action today; and to gain a better perspective of our political, economic, and social life. The courses in Political Science are intended to acquaint the student with the political institutions and political problems in the United States and the world today.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Twelve hours in European or World History, twelve hours in American History, six hours in Political Science, and History 477-478.

EUROPEAN AND WORLD HISTORY

HIST. 101-102 DEVELOPMENT OF WORLD CIVILIZATIONS (3 hrs.) The development of political, social, and cultural institutions from ancient times to the twentieth century, especially as they contribute to an understanding of our own civilization. Assignments dealing with Asia, Africa and Latin America will be included.

HIST. 301-302 MODERN EUROPEAN HISTORY (3 hrs.) A survey of European civilization from the sixteenth century to 1945. Second semester begins with 1815.

*HIST. 303 MODERN ECONOMIC HISTORY AND DEVELOPMENT (3 hrs.) A study of the development of modern industrial economies. Emphasis will be placed on nineteenth and twentieth century United States development and economic history. Attention will also be paid to the problems of the underdeveloped economies of the twentieth century.

*HIST. 325 THE HISTORY OF ENGLAND (3 hrs.) English institutions and the English people from the ninth to the early twentieth centuries.

*HIST. 366 HISTORY AND POLITICS OF ASIA (3 hrs.) A survey of the history, civilization and recent developments in South, East and South-east Asia.

*HIST. 368 HISTORY OF RUSSIA, U.S.S.R. AND EASTERN EUROPE (3 hrs.) A survey of Russian civilization with emphasis on the Communist regime and its European satellites. Offered in 1967-68.

*HIST. 369 HISTORY AND POLITICS OF AFRICA AND THE MIDDLE EAST (3 hrs.) A survey of the area. The effect of geography, tribal development and the European impact on the present problems of the area will be studied. Developments since World War II will be emphasized. Offered in 1967-68.

*HIST. 427 ANCIENT CIVILIZATION (3 hrs.) A history of the Near East, Greece, and Rome to the fourth century A.D. Offered in 1967-68.

*HIST. 428 THE MIDDLE AGES (3 hrs.) European civilization from the fourth to the fifteenth centuries. Offered in 1967-68.

*HIST. 429 WORLD HISTORY SINCE 1945 (3 hrs.) A survey of events since the Second World War. Emphasis will be on the development of major movements during the past two decades.

HIST. 477-478 SEMINAR IN HISTORY (1 hr.) A study of sources, materials, historical criticism and interpretations of history. Required of all students with a Field of Concentration in History and Political Science.

AMERICAN HISTORY

HIST. 201-202 UNITED STATES HISTORY (3 hrs.) The political, economic and social growth of America. First semester covers the period of exploration to 1865; second semester covers from 1865 to the present day.

HIST. 225 WEST VIRGINIA HISTORY, GOVERNMENT AND GEOGRAPHY (3 hrs.) The history of the western section of Virginia to the Civil War and the history and government of West Virginia to the present day. The physical, political and social geography of the state will be included.

*HIST. 341 THE DEVELOPMENT OF THE AMERICAN NATION (3 hrs.) A history of the United States from 1828 to 1860. This course considers the rise of Jacksonian Democracy, the effects of that movement and the coming of the Civil War.

HIST. 342 THE AGE OF BIG BUSINESS (3 hrs.) The political, social, and economic history of the United States from 1865 to 1914. Emphasis is placed on the growth of industrialism during this period and the resulting attempts at social reform.

*HIST. 423 CONTEMPORARY UNITED STATES HISTORY (3 hrs.) A study of the political, economic, diplomatic and social history of the United States since 1933. Offered in 1967-68.

*HIST. 426 LATIN AMERICAN HISTORY (3 hrs.) A cultural and political history of Central and South America with emphasis on the period since 1890. Offered in 1967-68.

*HIST. 433 EARLY AMERICA (3 hrs.) A study of the English colonies in America including the Revolutionary War. Offered in 1967-68.

HIST. 487-488 INDEPENDENT STUDY IN HISTORY (1 or 2 hrs.) Designed for those students interested in any period or phase of history not covered by a regular course. The field of study may be selected by the student, subject to the approval of the Chairman of the Department, according to interest and future needs.

HIST. 491-492 HONORS COURSE (1 or 2 hrs.) Advanced projects and minor research studies in history and political science. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in History who are seniors of superior ability and achievement. Permission of the Chairman of the Department required.

POLITICAL SCIENCE

POL. SCI. 325 AMERICAN GOVERNMENT (3 hrs.) A study of the principal institutions and processes of American national, state, and local government. Particular emphasis is given to the Constitution, the President, the Supreme Court, Congress, political parties, pressure groups, and state and local government. Primarily for juniors and seniors.

*POL. SCI. 327 MODERN POLITICAL THOUGHT (3 hrs.) A survey of political philosophy from Machiavelli to the present. A special effort is made to relate the principal themes in modern political thought to contemporary politics.

*POL. SCI. 328 COMPARATIVE GOVERNMENT (3 hrs.) A comparative study of the governments of the major powers of Europe, including Great Britain, France, the German Federal Republic, and the Soviet Union.

***POL. SCI. 340 POLITICS, PARTIES AND PRESSURE GROUPS (3 hrs.)** A pragmatic approach to the study of United States politics. Attention will be given to the history, structure and function of the major and minor parties and to the role of pressure groups in their attempts to influence legislation and public opinion.

***POL. SCI. 366 INTERNATIONAL POLITICS (3 hrs.)** A study of the history and forms of action and organization in international politics. Attention will be given to International Law and regional international organizations as well as the many functions of the United Nations. Offered in 1967-68.

POL. SCI. 401-402 PRACTICA IN POLITICAL SCIENCE (1 hr.) Each practicum involves some limited classroom work and a field trip to the national capital, or the capital of a state. Students observe the daily operations of government, particularly those of the executive and legislative branches. Prerequisite: Pol. Sci. 225 and Pol. Sci. 226 or consent of the Department Chairman.

***POL. SCI. 465 CONSTITUTIONAL LAW (3 hrs.)** A study of the judicial elaboration and interpretation of the U. S. Constitution. A case study approach to the historical development of American constitutional principles. Prerequisite: Pol. Sci. 225 or Hist. 201-2 or consent of the Department Chairman. Offered in 1966-67.

POL. SCI. 487-488 INDEPENDENT STUDY IN POLITICAL SCIENCE (1 or 2 hrs.) Individual investigation in some field of government chosen by the student with the approval of the Chairman of the Department. Open to students especially interested in government.

SOC. SCI. 201-202 CONTEMPORARY ISSUES (3 hrs.) A course designed primarily to provide future teachers a basic background in some of the major social, economic and political problems of our times. International, urban, cultural, and American political and economic problems will be emphasized.

SOC. SCI. 480 METHODS AND MATERIALS IN TEACHING SOCIAL STUDIES (2 hrs.) Nature, objectives, and curricula of social studies in junior and senior high schools. Concepts to be emphasized and ways of approaching. Methods, techniques teaching aids and other resources. Resource units, lesson plans, evaluation, teaching reading and study skills.

HONORS

For a description of the aims and requirements of the Honors Program, see p. 78. A student participating in the Honors Program should enroll in the appropriate Honors Seminar each semester.

HONORS 401 *Contemporary Issues in American Thought* (2 hrs.)
Primarily for sophomores.

HONORS 404 *The History and Philosophy of Science* (2 hrs.)
Primarily for juniors.

HONORS 406 *Forms, Meanings, and Values in the Arts* (2 hrs.)
Primarily for seniors.

HONORS 407 *Modern Man in Search of Meanings* (2 hrs.)
Primarily for juniors.

HONORS 410 *Universal Themes in Literature* (2 hrs.) Primarily
for sophomores.

HONORS 412 *The Shaping of the Modern Mind* (2 hrs.) Pri-
marily for seniors.

JOURNALISM

AIMS

To provide training for students preparing to do newspaper or magazine work, free-lance or professional writing, public relations work, preparation of advertising material, direction of high school or college publications, and teaching.

JOURN. 201 INTRODUCTION TO MASS COMMUNICATIONS (3 hrs.)
History and function of communications. Role of mass media in modern society.

*JOURN. 302 HISTORY OF JOURNALISM (3 hrs.) History of the newspapers, magazines, radio, television.

JOURN. 303 REPORTING (3 hrs.) Techniques and values of news reporting and news writing; emphasis upon learning to write forcefully and distinctively; writing of varied news stories.

JOURN. 304 FEATURES (3 hrs.) Writing special articles for newspapers, magazines, professional and trade journals.

JOURN. 306 COPYREADING AND NEWS-EDITING (3 hrs.) Principles and practices of preparing copy for publication.

JOURN. 316 PRINCIPLES OF PUBLIC RELATIONS (3 hrs.) The function of public relations in modern society, and the principles underlying its successful application.

JOURN. 325 PRINCIPLES OF ADVERTISING (3 hrs.) Principles, study of media, markets and merchandising. Advertising agencies and personnel. Evaluation of the field.

JOURN. 335 SCHOOL PUBLICATIONS (3 hrs.) Editorial and typographical problems of yearbooks, newspapers, handbooks, magazines, and other material. Laboratory work will include reportorial and editing work on one of the Bethany student publications.

COMM. 403-404 HONORS SEMINAR. Major research project for seniors of superior ability and achievement.

COMM. 480 METHODS AND MATERIALS OF TEACHING COMMUNICATIONS (3 hrs.) Study of methods, classroom materials, co-curricular activities necessary for the teacher of Communications.

JOURN. 487-488 INDEPENDENT STUDY (1 to 3 hrs.) Designed for students who are planning a career in reporting, feature writing, advertising or public relations. A continuation of work already begun, subject to consultation with the Chairman of Department.

LIBRARY SCIENCE

LIB. SCI. 221 INTRODUCTION TO CATALOGING AND CLASSIFICATION (3 hrs.) Planned to familiarize the prospective library school student with the theory and routines of cataloging and classification. The work is primarily a laboratory course supplemented by classroom lectures.

LIB. SCI. 222 INTRODUCTION TO LIBRARY SCIENCE (3 hrs.) Emphasis is placed upon reference, circulation, and bibliographic services. The student is introduced to the public service aspects of the general library and assigned practical problem work to supplement lectures and reading assignments.

LIB. SCI. 321 BOOK SELECTION AND ACQUISITION (3 hrs.) Principles of selection and acquisition of books and non-book materials. Appraisal of standard aids in selection, of book reviewing media, and other sources of information used in building library collections.

LIB. SCI. 322 LIBRARY ADMINISTRATION (3 hrs.) A study of the theoretical concepts and practical problems involved in organizing and operating libraries.

LIB. SCI. 487-488 INDEPENDENT STUDY IN LIBRARY SCIENCE (1-3 hrs.) Designed for those students who plan to take graduate work in Library Science. The field of study may be selected by the student, subject to the approval of the Chairman of the Department, according to interest and future needs.

MATHEMATICS

AIMS

To provide the general student with a knowledge of the mathematical foundation of our civilization, to give the prospective teacher an understanding and appreciation of the fundamental ideas of elementary mathematics; to provide a tool for the technical student; and to give the prospective graduate student a foundation for later study and research.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MATHEMATICS

A minimum of twenty-four hours in the department, including Mathematics 202-203, and at least twelve hours of advanced courses which should include Mathematics 303-304. Students interested in mathematics as a teaching subject should elect Mathematics 325 and 326, and/or Mathematics 329 and 352. Students interested in science and engineering should elect Mathematics 425-426 and 428. Students interested in economics should elect Mathematics 328 and 381. Two courses in the department should be taken in the senior year. Sequence of courses subject to approval of the Senior Adviser.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN APPLIED MATHEMATICS

Option I (Physics, and/or Chemistry). A minimum of thirty-three hours with at least eighteen hours in the Department of Mathematics which must include Mathematics 202-203, 425-426 and 428 and fifteen hours in the Department of Physics and/or Chemistry which should include Physics 301-302, and Chemistry 439-440. Recommended courses include Mathematics 303-304, Physics 303-304, Physics 365-366, and Chemistry 201 or 202, 301-302. Sequence of courses subject to approval of the Senior Adviser.

Option II (Economics). A minimum of thirty-three hours with at least eighteen hours in the Department of Mathematics which must include Mathematics 202-203, 328, 381 and fifteen hours in the Department of Economics which must include Economics 265-266, 325, 329, 425. Recommended courses include Mathematics 303-304 and Economics 365. Sequence of courses subject to approval of the Senior Adviser.

MATH. 101 MATHEMATICAL ANALYSIS (3 hrs.) Plane trigonometry, logarithms and slide rule; linear and quadratic equations; inequalities, progressions and binomial theorem; mathematical induction; analytic geometry of the straight line; determinants. Students enrolling in this course who rank low in the mathematics achievement test for freshmen will be required to attend a special laboratory section until their deficiency is corrected.

MATH. 102 MATHEMATICAL ANALYSIS (3 hrs.) Polar coordinates; DeMoivre's theorem; theory of equations; permutations and combinations; the analytical geometry of second degree curves; quadric surfaces; applications of analytical methods and an introduction to derivative. Prerequisite: Mathematics 101 or three units of mathematics at the secondary school level, including trigonometry and high standing in the mathematics achievement test for freshmen.

MATH. 103 ADVANCED MATHEMATICAL ANALYSIS (3 hrs.) Review of algebra, logarithms and trigonometric identities. Analytic geometry of the straight line. Set theory, field postulates, inequalities, progressions and mathematical induction. Polar coordinates, complex numbers, DeMoivre's theorem. Roots of an equation, matrix theory and determinants. This course is designed for Freshmen who rank high in the placement test in addition to four years of high school mathematics including trigonometry.

MATH. 201 CALCULUS I (3 hrs.) Technique of differentiation and integration with applications. Functions and their graphs including the conic sections, maxima and minima, rate problems. Area between two curves, length of a line, volume and surface area. Moments, centroids and the theorems of Pappus, hydrostatic pressure and work. Transcendental functions and elementary differential equations.

MATH. 202 CALCULUS II (3 hrs.) Methods of integration including integration by parts, partial fractions, substitutions, trigonometric functions, improper integrals and numerical methods. Determinants and linear equations, tangents and normals, Newton's method, second degree curves and curve fitting. Polar coordinates and graphs, areas and angles of intersection in polar coordinates, Hyperbolic functions, the hanging cable, vectors and parametric equations, curvature and normal vectors, velocity and acceleration.

MATH. 203 CALCULUS III (3 hrs.) Intermediate calculus with emphasis on vector notation and functions of several variables. Scalar and vector products, space coordinates and space curves, quadric surfaces. Partial differentiation and applications, directional derivative and gradient. Multiple integrals with physical applications, polar and cylindrical coordinates, expansion of functions and tests for convergence. Taylor's theorem, Fourier series, indeterminate forms, and an introduction to the complex variable.

***MATH. 226 MATHEMATICS FOR TEACHERS (3 hrs.)** A study of the fundamental principles, concepts, and methods of teaching arithmetic. A course designed to acquaint students with the basic mathematics necessary for teaching in the elementary field. Offered in 1967-1968.

***MATH. 241 ENGINEERING DRAWING (3 hrs.)** Free-hand lettering; orthographic projection, including sections and auxiliary views; dimensioning; isometric and oblique projections with emphasis on working drawings. Standard symbols and convention. Ink and pencil tracings.

***MATH. 242 DESCRIPTIVE GEOMETRY (3 hrs.)** Principles of projections; non-metric and metric problems; plane sections and developments; intersections of surfaces; construction of perspective drawings. This course achieves an effective correlation between descriptive and analytic geometry by presenting both the graphic and the algebraic methods.

*MATH. 244 PLANE SURVEYING (3 hrs.) Care and use of surveying instruments; field problems; computation and mapping. One hour class and four hours field work each week. Offered in 1967-1968.

*MATH. 251 FINITE MATHEMATICS (3 hrs.) Introduction to concepts occurring in modern mathematics. Symbolic logic and truth tables, set theory, vectors and matrix theory, binomial theorem and probability theory, linear programming and game theory. This course includes a review of algebra and is designed especially for the non-science student. Prerequisite: Math 101.

MATH. 303-304 ADVANCED CALCULUS (3 hrs.) Theory of the derivative and the definite integral; partial differentiation and its applications; Green's and Stoke's theorems; power series; Fourier series; vector notation; complex variable. Prerequisite: Mathematics 203.

*MATH. 325 INTRODUCTION TO HIGHER ALGEBRA (3 hrs.) Theory of equations; solution of cubic, quartic, and numerical equations; congruences and Diophantine equations; complex numbers and an introduction to the fundamental concepts of algebra—class, group, field, number. Prerequisite: Mathematics 201-202. Offered in 1967-1968.

*MATH. 326 INTRODUCTION TO MODERN GEOMETRY (3 hrs.) Euclidean and non-Euclidean geometries; an introduction to synthetic projective geometry; the concept of limit and infinity; geometrical constructions, recent developments and theorems. Prerequisite: Mathematics 201-202. Offered in 1967-1968.

*MATH. 328 MATHEMATICS OF FINANCE AND INVESTMENT (3 hrs.) The operation of interest and annuities; amortization of debts and sinking funds; valuation of bonds; the experience table and calculation of premiums for life insurance. Prerequisite: Mathematics 101, Economics 201-202. Offered in 1967-1968.

*MATH. 329 SPACE GEOMETRY (3 hrs.) Advanced methods and problems of analytic geometry of two and three dimensions; the general equation of the second degree; poles and polars; quadric surfaces; determinants. This course includes the concepts of elements at infinity, homogeneous coordinates, line coordinates, cross ratio, transformations, and complex elements. Prerequisite: Mathematics 201-202.

*MATH. 341 VECTOR ANALYSIS (3 hrs.) Elementary operations, scalar and vector products, gradient, operator, differentiation formulas, divergence and curl, integration, line integral, work and potential, surface integrals, reciprocal systems, general coordinates, applications. Prerequisite: Mathematics 201-202.

*MATH. 352 MODERN ABSTRACT ALGEBRA (3 hrs.) Rings, integral domains and fields, Peano axioms, real and complex numbers, polynomial rings, partial fractions, properties of groups, Cosets and Lagrange's theorem, vector spaces, systems of linear equations, matrices and determinants, algebra of matrices, linear transformations.

*MATH. 381 PROBABILITY AND STATISTICS (3 hrs.) Combinatorial analysis, binomial coefficients, theorems of total and compound probability, Stirling's formula. Bernoulli's theorem, law of large numbers, mathematical expectation and games of chance. Normal distribution, arithmetic mean and variance, standard scores, fitting a normal curve to a histogram, chi-square, t-, and F distributions, tests of hypotheses, sampling techniques, analysis of variance, regression and correlation, control charts. Offered in 1967-1968.

*MATH. 382 MATHEMATICS OF STATISTICS (3 hrs.) Design of experiments, binomial and multinomial theorems, generating functions, Poisson distribution, expected values and moments, sample distributions, central-limit theorem, applications of the large-sample theory, confidence intervals, Alpha and Beta errors, regression, experimental designs and the analysis of variance. Offered in 1967-1968.

MATH. 425-426 DIFFERENTIAL EQUATIONS (2 hrs.) Methods of solution of ordinary differential equations and applications to the physical sciences. Frobenius' and Picard's methods for power series solutions, Laplace transforms, numerical methods, boundary value problems, Fourier series, partial differential equations, the Laplacian and applications to heat conduction and vibration. Prerequisite: Mathematics 201-202.

*MATH. 428 APPLIED MATHEMATICS (3 hrs) Applications of ordinary and partial differential equations to problems in physics, chemistry and electricity; vibrating string and heat flow problems; vector calculus and applications. Prerequisite: Mathematics 425.

MATH. 477 or 478 SEMINAR IN MATHEMATICS (1 to 3 hrs.) Special reports prepared and presented by the students under supervision. The work of the second semester will help prepare the student for the comprehensive examination. Required of all students concentrating in the Field of Mathematics. Open only to seniors.

*MATH. 479 or 480 METHODS AND MATERIALS IN TEACHING MATHEMATICS (2 or 3 hrs.) Approved methods in teaching mathematics at the secondary level; class period activities of the teacher; procedures and devices in teaching; organization of materials, testing, aims, and modern trends. Open only to juniors and seniors who expect to teach.

MATH. 487-488 INDEPENDENT STUDY IN MATHEMATICS (1 to 3 hrs.) Designed for those students especially interested in Mathematics who desire to do independent study in some special field. The field of study may be selected by the student, subject to the approval of the Chairman of the Department, according to interest and future needs.

MATH. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced projects and minor research studies. Enrollment limited to students concentrating in Mathematics who are seniors of superior ability and achievement. Permission of the Chairman of the Department required.

MUSIC

AIMS

To promote understanding and appreciation of works of musical art of generally recognized excellence in relation to cultural conditions of their respective periods through integrated study of music theory, history, literature and performance; to provide the college community with stylistically sound performances of good works; to provide thorough basic training in musicianship on the pre-professional level; to provide a program of study leading to certification in public school music; to provide a program of study leading to the development of skills useful in administering a program of church music.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MUSIC LITERATURE

Students may elect a field of concentration in music literature or in music education. Requirements for concentration in music literature include Music 143-144, 303,304, 343-344, 327-328, twelve hours in the 341-366 sequence, Music 478, and a minimum of ten hours of applied music. Only 2-4 hours of applied music may be in ensemble credit, at the discretion of the Chairman of the Department.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MUSIC EDUCATION

Requirements for concentration in music education include Music 143-144, 303-304, 327-328, 6 hours in the 341-366 sequence, Music 478, 439, 422, 479, 480, and a minimum of 12 hours in applied music. Four hours of applied music may be in 121-122 class instruments, and 2 hours may be in 125 (ensemble).

All students pursuing a curriculum in music will enroll in Music 125 with or without credit, except for students in the Professional Block semester in Education. All music concentration students are expected to attend college-sponsored musical events.

LITERATURE AND THEORY OF MUSIC

MUS. 101 INTRODUCTION TO MUSIC AS AN ART AND SCIENCE (2 hrs.) The elements of tonal relationships, simple rhythms, intervals, melodies in both major and minor modes; designed to give the student the ability to recognize, reproduce and record simple melodic and rhythmic patterns.

MUS. 111-112 THEORY I, II (3 hrs.) The traditional disciplines of harmonization, modulation and the relationships of melodic progression, embellishment and rhythm are presented in concept and practical application. Beginning with the rudiments of music structure, the principles and procedures of tonal music are logically approached. Emphasis on ear training through sight-singing, tonal-rhythmic dictation and keyboard exercises.

*MUS. 303-304 THEORY III, IV (3 hrs.) A comprehensive extension of first year procedures. Techniques of controlled dissonance, melodic-rhythmic chord generation and multiple melody development. Intensive study of stylistic elements of the Classical and Baroque periods, and an introduction to characteristics of the later chromaticism, impressionism, pan-diatonicism, and the various styles of atonality. Continued emphasis on aural perception. Offered in 1967-68.

*MUS. 327-328 MUSIC HISTORY (2 hrs.) The historical significance of the main periods and types of music. Requires some technical background. Offered in 1967-68.

*MUS. 341 SYMPHONIC LITERATURE (3 hrs.) Aural examination and analysis supplemented with collateral reading of the literature of music written for symphony orchestra from mid-18th century until c. 1910. No technical prerequisites, but previous completion of Fine Arts 201 is desirable. Offered in 1967-68.

*MUS. 342 THE OPERA (3 hrs.) A history of the opera from 1600 to the present with detailed study of a few representative operas in their entirety from recordings and scores. No technical prerequisites, but previous completion of Fine Arts 201 is desirable. Offered in 1967-1968.

MUS. 343 COUNTERPOINT (2 hrs.) Basic principles of writing two, three, and four-voice counterpoint, and their application in the smaller forms of composition.

MUS. 344 ORCHESTRATION (2 hrs.) A course in arranging music for various types of instrumental ensembles.

MUS. 365 MUSIC OF THE BAROQUE ERA (3 hrs.) A study, largely aural, of representative works from the 17th and early 18th centuries with special emphasis on Bach and Handel. Collateral historical and biographical reading.

MUS. 366 CONTEMPORARY MUSIC (3 hrs.) Aural study of representative works in various media written since c. 1910. Collateral reading of biographical and critical material.

*MUS. 422 INSTRUMENTAL CONDUCTING (2 hrs.) The techniques of the baton and the different problems to be met in conducting orchestra and band; the introduction to score reading; an opportunity for experience through the conducting of the college instrumental groups. Open only to advanced groups. Offered in 1967-68.

*MUS. 439 CHORAL CONDUCTING (2 hrs.) The technique of the baton and the different problems to be met in conducting chorus; the introduction to score reading; an opportunity for experience through the conducting of the college choral groups. Open only to advanced students. Offered in 1967-68.

MUS. 478 SEMINAR (1 hr.) Survey and review of the field of music; its history, theory and literature. Required of all students concentrating in the field of Music. Open only to seniors.

MUS. 479 MUSIC EDUCATION (3 hrs.) (Methods and materials of Teaching Music in the Elementary Schools.) Consideration of the aims and values of elementary school music with opportunities to develop teaching techniques, and to become familiar with the standard materials.

MUS. 480 MUSIC EDUCATION (3 hrs.) (Methods and Materials in Teaching Music in the Secondary Schools.) Analysis of music offered in senior and junior high schools throughout the United States. Consideration of problems, objectives and materials in teaching vocal and instrumental music, theory and appreciation courses in secondary schools. Opportunities for developing practical teaching projects.

MUS. 487-488 INDEPENDENT STUDY IN MUSIC (1 to 3 hrs.) Designed for those students who desire to do independent study in some special field. The field of study may be selected by the student interested, subject to the approval of the Chairman of the Department, according to interest in Music and future needs.

MUS. 491-492 HONORS COURSE (1 to 3 hrs.) Projects and minor research studies in special fields of music, or creative work of an advanced nature. Enrollment limited to students concentrating in Music who are seniors of superior ability and achievement. Permission of the Chairman of the Department required.

APPLIED MUSIC (Courses in applied music may be repeated for credit.)

MUS. 121-122 CLASS STRINGS (1 hr.) Class instruction in the basic techniques of stringed instruments. Required of all students with a concentration in Music Education.

MUS. 123 CLASS INSTRUCTION IN BRASS INSTRUMENTS (1 hr.) Required of all students with a concentration in Music Education.

MUS. 124 CLASS INSTRUCTION IN WOODWIND INSTRUMENTS (1 hr.) Required of all students with a concentration in Music Education.

MUS. 125-126 CONCERT CHOIR (1 hr.) The preparation for concert performance of standard choral literature, both sacred and secular. Membership limited, enrollment by audition.

MUS. 127-128 MALE CHORUS (1 hr. per year) The study and performance of concert repertoire for male voices. Membership limited; enrollment by audition.

MUS. 129-130 ORCHESTRAL ENSEMBLE (1 hr. per year) The study and performance of standard orchestral or chamber literature with occasional public performances.

MUS. 131-132 BRASS CHOIR (1 hr. per year) The study and performance of baroque and contemporary music for brass instruments. Enrollment by audition.

MUS. 133-134 BAND (1 hr. per year) An ensemble of wind and percussion instruments which plays for festive and athletic events of the college. Enrollment by approval of the director.

MUS. 135-136 CHAMBER MUSIC (1 hr. per year) Study and occasional performance of the standard chamber literature — quartets, trios, other works suited to the instrumentalists available. Admission by audition.

MUS. 141-142 ORGAN (1 or 2 hrs.) Technique, theory and literature of the organ. Open to all students who have had some training in either piano or organ. Private lessons. Enrollment by permission of the instructor.

MUS. 143-144 PIANO (1 or 2 hrs.) Literature and technique of piano playing designed to develop in the students a discriminating appreciation of fine music and fine musical performance. Private lessons. Enrollment by permission of the instructor.

MUS. 145-146 STRINGS (1 or 2 hrs.) Private lessons in violin, viola, cello or bass. Course open to beginners as well as to students with previous training. Enrollment by permission of the instructor.

MUS. 147-148 VOICE (1 or 2 hrs.) Vocal technique, theory and literature. Open to all students who have adequate native ability with or without previous vocal training. Private lessons. Enrollment by permission of the instructor.

MUS. 149-150 WIND INSTRUMENTS (1 or 2 hrs.) Private lessons in basic brass and woodwind instruments. Open to beginners as well as to students with previous training. Enrollment by permission of the instructor.

MUS. 301-302 ADVANCED ORGAN (1 or 2 hrs.) Open only to students who can demonstrate satisfactorily their ability to play compositions equivalent in difficulty to the following: Bach—G minor Fugue (The Little); D minor Toccata and Fugue; or Widor—Toccata from Symphony V. Private lessons. Enrollment by permission of the instructor.

MUS. 303-304 ADVANCED PIANO (1 or 2 hrs.) Open only to more advanced students who can demonstrate satisfactorily their ability to perform compositions equivalent in difficulty to the following: Beethoven Op. 27 No. 2; Bach—Preludes and Fugues Nos. 2 and 21 (Vol. 1) They will be expected to perform in public recitals from time to time. Private lessons. Enrollment by permission of the instructor.

MUS. 305-306 ADVANCED STRINGS (1 or 2 hrs.) Open only to students who are able to play satisfactorily music equivalent in difficulty to the Kreutzer Études and DeBeriot Concertos for violin. Public performance required. Private lessons. Enrollment by permission of the instructor.

MUS. 307-308 ADVANCED VOICE (1 or 2 hrs.) Open only to students who have completed four semesters of voice study, can read at sight, have adequate use of at least one modern foreign language, and can demonstrate the ability to perform numbers equivalent in difficulty to standard operatic and lieder literature. Public performance required. Private lessons. Enrollment by permission of the instructor.

PHILOSOPHY

AIMS

To develop independent thinking on the part of the student; to acquaint the student with the great questions and answers of our philosophical heritage; to develop the student's ability to define issues, sustain arguments and evaluate evidence. In short, to teach the student to philosophize; with the hope that, by detailed analysis and disciplined speculation, the student will find the basis for developing an intelligible order in his life.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of twenty-four hours in the department including Philosophy 353-354.

PHIL. 201 INTRODUCTION TO BASIC PROBLEMS OF PHILOSOPHY (3 hrs.) An exploratory examination of "What Philosophy is" by considering some of the major areas with which Philosophy is concerned. These areas, which contain some of the "basic problems" of Philosophy, include: Methodology, Philosophy of Politics and History, Problems of Ethics, Theories of Art and Aesthetic Experience, Philosophy of Religion, Theory of Knowledge, Theories of Reality, and Philosophy of Science.

PHIL. 202 ETHICS (3 hrs.) The theory of the moral life as developed in the history of Western thought and applied to personal and social problems; an analysis of the grounds, principles, and consequences of different ethical theories, as to accuracy, consistency, and the possibility of putting them into practice.

*PHIL. 353-354 HISTORY OF PHILOSOPHY (3 hrs. each) Western philosophical thought from the Seventh Century B.C. to modern times. The first semester will be devoted to a study of ancient and medieval philosophers. The second semester will begin with the Renaissance. Offered in 1967-68.

*PHIL. 365 REFLECTIVE THINKING (3 hrs.) An inquiry into the areas of deductive and inductive reasoning; practice in the detection of logical fallacies. Offered in alternate years. Offered in 1967-68.

*PHIL. 373 PHILOSOPHY OF RELIGION (3 hrs.) An inquiry into the general subject of religion from a philosophical point of view. Attention will be given to contemporary philosophical approaches and techniques in this area, as well as to the core of problems constituting the area's major difficulties. E.g., religious language, meaning, the nature and validity of religious experience and knowledge claims.

*PHIL. 378 AESTHETICS (3 hrs.) A consideration of the principal systems of aesthetics and value; the relation of aesthetics and value theories; foundations of aesthetic perception and value, and value judgments; interpretation of the creative activity of the artist, the work of art, and the contemplation and criticism of art objects; including music and the visual and literary arts.

*PHIL. 402 CONTEMPORARY PHILOSOPHY (3 hrs.) Western philosophical thought and major tendencies since 1900. The two major tendencies in the contemporary period are the Positivistic and Analytic, and the Phenomenological and Existential. Emphasis will usually be placed upon one of these tendencies in a given semester; thus, this course may be repeated for credit, with the approval of the instructor. Emphasis for 1966-1967: "The Protesting Voices of Existentialism: A Critical Examination."

*PHIL. 405 or 406 AMERICAN PHILOSOPHY (3 hrs.) The development of philosophical ideas in the United States from colonial ideas to the present. Certain outstanding personalities or selected periods may be given special emphasis.

PHIL. 477 or 478 SEMINAR IN PHILOSOPHY (2 hrs.) Intensive examination of the perspective of one great Western philosopher, or one major problem or related group of problems, or one major tendency. Permission of the instructor required.

PHIL. 487-488 INDEPENDENT STUDY IN PHILOSOPHY (1-3 hrs.) Designed for students interested in and prepared to conduct independent research in a special field. Research project subject to the approval of Chairman of Department.

PHYSICAL EDUCATION AND HEALTH

AIMS

To promote the health education and physical development of the student; to provide opportunities for students to participate in and secure a reasonable degree of proficiency in recreational activities; and to train physical education and recreation leaders for educational and community situations.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the department which should include the following courses: Physical Education 125, 227, 442, 464, 471, 480; Sociology 201; Biology 101-102, 201 and 425 or 167 are recommended. Sequence of courses subject to approval of the Senior Adviser.

REQUIREMENTS FOR ALL STUDENTS FOR GRADUATION

Freshmen: Physical Education 101-102 is required. Physical Education 125 may be elected in the freshman or sophomore year or Biology 101 may be offered as a substitute. Sophomores: Physical Education 201-202 is required of all students but permission may be granted to substitute equivalent hours from Physical Education 169-170, 227-228, 243, 301-302 or work in varsity athletics.

One hour's credit will be given for a season's work in varsity athletics, i.e., football, basketball, track, baseball, golf, swimming, cross country, tennis, and wrestling, provided students enroll for Physical Education 201-202. Not more than a total of four hours credit towards graduation will be allowed from courses 101-102, 201-202, and varsity athletics.

All students will be required to pass a swimming achievement test prior to graduation. Students who are physically unfit as certified by the college physician may petition to be allowed to substitute hours in other courses in lieu of activity courses in physical education. Students who are not candidates for a degree may be exempt from the requirements of physical education. Any petition for exemption from physical education should be addressed to the Committee on Academic Review.

PHYS. ED. 101-102 FRESHMAN ORIENTATION IN PHYSICAL EDUCATION (1 hr.) The techniques and rules of a wide variety of team sports. An activity course. Three periods per week. Required of all freshmen.

PHYS. ED. 125 PERSONAL HYGIENE (2 hrs.) Fundamental knowledge of personal hygiene and how the health of the individual may be conserved.

PHYS. ED. 167 INTRODUCTION TO MAMMALIAN ANATOMY AND PHYSIOLOGY (3 hrs.) (See Biology 167).

PHYS. ED. 169-170 FOLK DANCING (1 hr.) Folk dancing from many countries. English and American country dances during the first semester and European dances during the second semester. An activity course. Two periods per week.

PHYS. ED. 201-202 SOPHOMORE PHYSICAL EDUCATION (1 hr.) Individual sports; planned for sophomores who desire to elect a general recreation course. An activity course. Three periods per week.

PHYS. ED. 226 COMMUNITY HYGIENE (2 hrs). Health matters pertaining to the social group; communicable diseases; vital statistics; legal and social regulations relating to personal and community health.

PHYS. ED. 227 ELEMENTARY SWIMMING (1 hr.) Instruction for beginners in buoyancy and flotation. Preliminary tests for swimming and such strokes as elementary back, side, and crawl. An activity course. Three periods per week.

PHYS. ED. 228 ADVANCED SWIMMING (1 hr.) Correct form of the more advanced strokes, as the trudgen, American crawl, racing back and breast, diving and life saving. An activity course. Three periods per week.

PHYS. ED. 240 SOCIAL DANCING (1 hr.) Instruction in the modern social dance steps. An activity course. Two periods per week.

PHYS. ED. 243 TUMBLING AND STUNTS (1 hr.) Begins with individual stunts and advances to more intricate work. An activity course. Two periods per week.

PHYS. ED. 267-268 THEORY AND PRACTICE OF TEAM SPORTS (2 hrs.) Intensive practice with opportunity for officiation in team sports for men and women.

PHYS. ED. 301-302 MODERN DANCING (1 hr.) Contemporary dancing, emphasizing the use of the fundamental expressive movements in creative work. An activity course. Two periods per week.

*PHYS. ED. 303 COACHING FOOTBALL (2 hrs.) Fundamentals, offensive and defensive styles of play, rules of the game and officiating.

*PHYS. ED. 304 COACHING BASKETBALL (2 hrs.) Fundamentals, offensive and defensive styles of play, rules, officiating and the place of basketball in the intramural program.

PHYS. ED. 325 INTRAMURAL SPORTS (2 hrs.) Organization, administration and objectives of the intramural program of athletics.

*PHYS. ED. 326 BASEBALL, TRACK AND FIELD (2 hrs.) Strategy and fundamentals of baseball, track and field. Offered in 1967-68.

*PHYS. ED. 327 COMMUNITY RECREATION (3 hrs.) The philosophy of American recreation and community organization for leisure time activities.

*PHYS. ED. 328 RECREATION LEADERSHIP (3 hrs.) Recreational activities; practice in the leadership of games, square dancing, playground activities, with a two hour laboratory for handicrafts.

*PHYS. ED. 340 PREVENTION AND CARE OF INJURIES (2 hrs.) Common hazards of play and athletics. Preventive measures and treatment of injuries. Red Cross First Aid Certificate may be earned by those who pass the examination.

*PHYS. ED. 341 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION (2 hrs.) Methods used in evaluating outcomes of the physical education program. Offered in 1967-68.

*PHYS. ED. 402 ADAPTED PHYSICAL EDUCATION (2 hrs.) Variations of the normal types of the human organism at different age levels; therapeutic measures, especially those which refer to the correction of mechanical defects. Prerequisites: Biology 201, 425, or 167. Offered in 1967-68.

PHYS. ED. 424 KINESIOLOGY (3 hrs.) Fundamental body movements and their relation to body development and efficiency. Prerequisite: Biology 201 and 425.

*PHYS. ED. 425 PHYSIOLOGY (3 hrs.) (Biology 425.) Structure and functions of the human body; the mechanism of bodily movements, responses, reactions, and various physiological states. Prerequisites: Biology 101-102 and 201. Offered in 1967-68.

PHYS. ED. 428 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (3 hrs.) Administrative relationships and procedure in the conduct of physical education. Offered on demand.

PHYS. ED. 439-440 THEORY AND PRACTICE OF INDIVIDUAL SPORTS (2 hrs.) Intensive practice in badminton, archery, tennis, handball, golf, and life saving with a study of the rules of each and of methods used in teaching.

*PHYS. ED. 441 HISTORY OF PHYSICAL EDUCATION (2 hrs.) Development of physical education from ancient times to the present. Offered in 1967-68.

*PHYS. ED. 442 PRINCIPLES OF PHYSICAL EDUCATION (3 hrs.) Principles basic to a program of physical education in the modern educational system. Offered in 1967-68.

PHYS. ED. 464 TEACHING OF HEALTH (3 hrs.) (Health Problems of the School Child). A course designed to provide students with opportunities to study health problems, activities, and methods of teaching the school child.

PHYS. ED. 471 SEMINAR IN PHYSICAL EDUCATION (1 hr.) A survey of the field of health and physical education and the current literature relating to investigations in the field. Prerequisites: Physical Education 425 and 442. Open only to upper division students. Required of all students concentrating in the Field of Physical Education.

PHYS. ED. 480 METHODS AND MATERIALS IN TEACHING PHYSICAL EDUCATION (2 hrs.) Methods, materials and techniques pertinent to the teaching of Physical Education.

PHYS. ED. 487-488 INDEPENDENT STUDY (1 to 3 hrs.) Designed for those students interested in physical education who desire to do independent study in some special field. The field of study may be selected by the student subject to the approval of the Chairman of the Department, according to interest and future needs.

PHYS. ED. 491-492 HONORS COURSE (1 to 3 hrs.) Special problems and minor research studies in physical education. Enrollment limited to students concentrating in Physical Education who are seniors of superior ability and achievement. Permission of the Chairman of the Department required.

PHYSICS

AIMS

To give the liberal arts student some insight into our universe and its physical laws, with emphasis upon the scientific method.

To present to the pre-professional student a general knowledge of physics and its laboratory methods that are applicable to his field.

To provide students concentrating in this field with a thorough and practical education in Physics for teaching, work in industry, or graduate studies.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty-two hours in the department, including 301-302, 303, 304, 305-306, 325-326 and 343-344. A reading knowledge of German and French are recommended for students expecting to do graduate work. Mathematics or chemistry is strongly recommended as the related field. Sequence of courses subject to approval of the Chairman of the Department.

A combined plan with Columbia University is available to pre-engineering students. Special programs are offered in cooperation with the Department of Education to students interested in the teaching of science.

PHYS. 101-102 GENERAL PHYSICS (4 hrs.) A continuous course with laboratory work. First semester: mechanics, heat and sound. Second semester: electricity, magnetism, light and modern physics. A fundamental course which is a prerequisite to all advanced physics courses. Open to freshmen.

PHYS. 301-302 MECHANICS (3 hrs.) Particle mechanics; central force motions; motions of rigid bodies; free, forced and coupled oscillations; elasticity; fluid motion; wave motion; special theory of relativity equations. Prerequisites: Physics 101-102 and Mathematics 201-202.

***PHYS. 303 THERMOPHYSICS (3 hrs.)** Temperature, calorimetry, expansion, conductivity, change of state and radiation; thermodynamics and kinetic theory. Prerequisites: Physics 101-102 and Mathematics 201-202. Offered in 1967-68.

***PHYS. 304 GEOMETRICAL AND PHYSICAL OPTICS (3 hrs.)** Theories of light, reflection, refraction, interference, diffraction, polarization, geometrical optics, optical instruments, vision and spectroscopy. Prerequisites: Physics 101-102 and Mathematics 201-202. Offered in 1967-68.

***PHYS. 305-306 ELECTRICITY AND MAGNETISM (3 hrs.)** Electrostatics, magnetostatics, scalar and vector fields, Poynting's vector, Maxwell's equations, Gauss' and Stoke's theorem, waveguide propagation. Prerequisites: Physics 101-102 or permission of Chairman of Department.

***PHYS. 325-326 MODERN PHYSICS (3 hrs.)** Conservation laws, particle and wave mechanics, special relativity, Bohr theory, X-rays, nuclear structure and reactions, uncertainty principle, Schrodinger's equation. Prerequisites: Physics 101-102 or permission of Chairman of Department. Offered in 1967-68.

***PHYS. 328 ELECTRONICS FOR SCIENTISTS (3 hrs.)** Fundamentals of vacuum tubes and transistors with emphasis on the use of equipment for research; power supplies, amplifiers, transducers, and test equipment. Prerequisites: Physics 101-102 or permission of Chairman of Department.

PHYS. 343-344 SOPHOMORE EXPERIMENTAL PHYSICS (2 hrs.) Intermediate experiments in physics using the Berkeley Laboratory series of experiments. Supplemental to upper division physics courses. Prerequisites: Permission of Chairman of Department.

PHYS. 365-366 SPECTROSCOPIC ANALYSIS (2 hrs.) A practical course in photography and analysis of spectra including: making, processing and printing of pictures; study of flame and arc spectra; use of grating and prism spectrographs, comparator, densitometer, and conversion technique; applications to chemical analysis. Registration with permission of Chairman of the Department.

PHYS. 375-376 PROBLEMS IN PHYSICS (1 hr.) Solution of more advanced problems in the various fields of physics. Prerequisites: Physics 101-102.

PHYS. 441-442 JUNIOR EXPERIMENTAL PHYSICS (2 hrs.) A comprehensive course of individual laboratory work in the various fields of physics. Selection of experiments is based on the ability and interest of the student and on the available facilities. Prerequisites: Physics 343-344.

PHYS. 451-452 MATHEMATICAL PHYSICS (3 hrs.) Application of advanced mathematical methods used in solution of problems in physics. Legendre and Hermite polynomials, Bessel functions, Laplace transformations, matrix and tensor notation, boundary value problems, operators, data analysis, and least square fits. Registration with permission of Chairman of Department. Physics 451 offered in 1966-67; Physics 452 in 1967-68.

PHYS. 477-478 SEMINAR IN PHYSICS (1 hr.) A survey of Physics for review and correlation of the various fields in the discipline. Registration by permission of the Chairman of the Department.

PHYS. 480 METHODS AND MATERIALS IN TEACHING PHYSICS (2 or 3 hrs.) Methods and practice in classroom and laboratory instruction. Collateral reading and reports on the history of physical science. Required of all students expecting to teach physics.

PHYS. 487-488 INDEPENDENT STUDY (1 to 3 hrs.) Designed for those students interested in physics who desire to do independent reading or experimental work in some special field. The field of study may be selected by the student, subject to the approval of the Chairman of the Department, according to individual interest and future needs.

PHYS. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced experimental work and minor research problems. Experimental physics is offered in fields of vacuum systems, machine tool operation, electronic systems, spectroscopy, electron microscopy, microwave propagation, and nuclear radiation. Enrollment limited to seniors of superior ability and achievement who are concentrating in Physics. Permission of the Chairman of the Department required.

PHYSICAL SCIENCE

PHYS. SCI. 101-102 PHYSICAL SCIENCE (4 hrs.) A survey of the fields of astronomy, geology, physics and chemistry, with appropriate laboratory work. This course may be used to satisfy the science requirement. Open to freshmen. Students planning to complete a field of concentration in Chemistry or Physics should not enroll in this course.

Certain courses are offered by the regular Bethany faculty in the curriculum for junior High School Teachers of Science as sponsored by The National Science Foundation.

PHYS. SCI. 501-s INTRODUCTORY SCIENCE FOR GENERAL SCIENCE TEACHERS (6 sem. hrs.) Based on new materials developed by Educational Services, Inc. for the Junior High School, including: atomic and molecular structure; balancing chemical equations; stoichiometry of chemical reactions; electronics and simple radio theory; electromagnetic radiations. Approximately three-fourths of the time will be devoted to laboratory. Experiments suggested in the IPS syllabus will be studied. Five 45-minute class discussion periods and four 3-hour laboratory periods (or equivalent) per week for 8 weeks.

MATH. 502-s BASIC MATHEMATICS FOR GENERAL SCIENCE TEACHERS (1 sem. hr.) Deals with the mathematical tools needed to teach the IPS course. Topics include linear and quadratic equations; tabular and graphical presentation of laboratory data; proportion; logarithms; and elementary statistical analysis of errors. Drill on mentally approximating answers to simple arithmetical operations. A workbook will be used. Five 45-minute class periods per week for 8 weeks.

PHYS. SCI. 577-s SEMINAR IN TEACHING INTRODUCTORY PHYSICAL SCIENCE (1 sem. hr.) Aspects of teaching IPS in junior high schools; course planning; methods and materials; audio-visual aids; evaluation and testing; other topics growing out of the work of the Institute or suggested by participants. Two 45-minute periods per week for 8 weeks.

PSYCHOLOGY

AIMS

The department assists the student in gaining a basic knowledge of psychology as the experimental science of man's behavior; in developing social awareness and social adjustment through understanding of the fundamental similarities and differences among

men; in promoting creative and critical thinking; in giving background preparation for professions which deal with individual and group behavior; in encouraging students to enter the field, whether in teaching, research, or applied psychology.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Concentration in psychology requires Biology 101-102 and a minimum of thirty hours in the department, including Psychology 201-202, 361-362, 477 or 478, and two of these three: 371, 372, 374. No student will be recommended for graduate school who has not had Mathematics 101-102 also. Mathematics 327 and Sociology 201 are highly desirable. The student is reminded that most graduate schools require a reading knowledge of French or German or both for higher degrees.

PSYCH. 201-202 GENERAL PSYCHOLOGY (3 hrs.) An introduction to the general field of psychology; perception, learning, motivation, personality, reasoning, and a survey of the areas within the general field. Two lectures and one laboratory period each week. Prerequisite to all other courses in the department. Prerequisite: Psychology 201 is prerequisite for Psychology 202.

PSYCH. 311 SOCIAL PSYCHOLOGY (3 hrs.) (Compare Soc. 311.) The study of the development of the self as influenced by the learning of symbolic interaction with members of primary and secondary groups. Discussion of factors in socialization, public opinion, propaganda, psychological warfare, mob, riot, panic, and other forms of group behavior as well as fads, fashions, crazes, and the like. Prerequisite: Psychology 201-202.

PSYCH. 321 THE NORMAL PERSONALITY (3 hrs.) This course deals with theories of the development of personality. Emphasis will be placed on the normal personality and its development, and on the principles of mental hygiene for students. Prerequisite: Psychology 201-202.

PSYCH. 322 THE ABNORMAL PERSONALITY (3 hrs.) The study of abnormal personality development including mental deficiency, neuroses, psychoses, and sociopathic behavior. Prerequisite: Psychology 201-202.

PSYCH. 326 ANIMAL BEHAVIOR (3 hrs.) A study of various behaviors from both an ethological and a psychological approach. Laboratory story emphasizes behavior and its modification through demonstrations, films, and independent projects. This course is taught by staff from the Biology and Psychology Departments. Prerequisite: Psychology 201-202 or Biology 201-202.

PSYCH. 331 CHILD AND ADOLESCENT PSYCHOLOGY (3 hrs.) A course devoted to the study of the psychological development of the child through adolescence and, briefly, to the phylogenesis of behavior. Prerequisite: Psychology 201-202.

PSYCH. 333 EDUCATIONAL PSYCHOLOGY (3 hrs.) A study of the application of psychological principles to the field of Education. Included will be the areas of learning, transfer of training, individual differences, motivation, achievement testing, and the language and communication skills as they apply to education. Prerequisite: Psychology 201-202.

PSYCH. 335 PSYCHOLOGICAL AND EDUCATIONAL TESTS AND MEASUREMENTS (2 hrs.) The course will deal mainly with group testing, with attention to the construction and use of standardized and of *ad hoc* tests. The necessary correlation techniques will be included. Prerequisite: Psychology 201-202.

***PSYCH. 336 INDUSTRIAL PSYCHOLOGY (3 hrs.)** A study of industrial motivations, human relations training, optimum working conditions, human engineering. Prerequisite: Psychology 201-202.

PSYCH. 361-362 DESIGN AND ANALYSIS OF EXPERIMENTS IN PSYCHOLOGY (3 hrs. each semester) This course deals with methods of investigation of behavior, with the greater emphasis on the experimental method. Differential methods are treated in Psychology 335. Techniques of statistical evaluation of data will be introduced when data demand them. Some time will be spent on the general theory of science, and on mathematical statements of scientific, especially psychological, laws, theories, functions. Prerequisite: Psychology 201-202. No credit given for only one semester of Psychology 361-362. One lecture and two laboratory periods each week.

PSYCH. 371 PSYCHOLOGY OF EMOTION AND MOTIVATION (3 hrs.) A study of the whys of behavior, of methods of discovering what people want, and of the origin and development of their desires, attitudes, value systems, and the like. Emphasis will be on the experimental assessment of sociogenically derived motives. Prerequisite: Psychology 201-202. Offered irregularly.

PSYCH. 372 PSYCHOLOGY OF LEARNING (3 hrs.) This course will deal with theories of learning. Prerequisite: Psychology 201-202. Two lectures and one laboratory period each week.

PSYCH. 374 PERCEPTION AND COGNITION (3 hrs.) This course deals with the acceptance and processing of information by the human organism. Prerequisite: Psychology 201-202. Two lectures and one laboratory period each week.

PSYCH. 391 JUNIOR HONORS SEMINAR (1 to 3 hrs.) Open to Juniors who are considering the desirability of entering Psychology 491-492. The course will discuss the information available in some small section of psychology, the exact topic varying from year to year. Prerequisites: Psychology 201-202, concurrent enrollment in Psychology 361, and an overall grade average of 3.0

PSYCH 477 or 478 SEMINAR IN PSYCHOLOGY (1 to 2 hrs.) An advanced general course which is partly a preparation for the comprehensive examination in psychology. Prerequisite: Psychology 201-202 and senior standing.

PSYCH. 487-488 INDEPENDENT STUDY (1 to 3 hrs.) This course is designed to permit students to do independent work in psychology which cannot be done in any other course in the department. The subject of study must be selected in consultation with the Chairman of the Department before the semester opens. Prerequisite: Psychology 201-202 and junior or senior standing.

PSYCH. 491-492 HONORS COURSE (2 to 3 hrs.) The student will carry out a research project, running from the middle of his Junior year to the middle of his Senior year. Prerequisites: Psychology 391 and an overall grade average of 3.0

RELIGION

AIM

The personal integration of faith and learning.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN RELIGION

A minimum of twenty-four hours in the department. The ministerial student must have six additional hours of Biblical study. Sequence of courses is subject to the approval of the Chairman.

REQUIREMENTS FOR GRADUATION

Religion 101-102 or more extensive study of the same areas is required of all students qualifying for graduation.

REL. 101-102 JUDAEO-CHRISTIAN ORIGINS AND DEVELOPMENT (3 hrs.) In the first semester this course surveys the history, literature, and religion of the Hebrew people and gives an introduction to the sources of the Christian church.

In the second semester this course shows the development of Christianity, of the Christian Church in the New Testament, and of the major divisions of Christendom. The development of religions in America is traced with major attention to the movement for the restoration of the New Testament Church and Christian unity which gave rise to the Christian Churches. First-hand historical materials of Bethany and the Campbell heritage illuminate this study.

REL. 201-202 THE BIBLE AS RELIGIOUS LITERATURE (3 hrs.) The books of the Bible are studied for their record of past religious events, their expression of faith at the time of writing, and their significance in past and current reformations of the church.

REL. 211-212 BEGINNING NEW TESTAMENT GREEK (3 hrs.) Inductive methods are used to develop as rapidly as possible an ability to read *koine* Greek. Most of the Fourth Gospel is read during the second semester.

*REL. 327-328 COMPARATIVE RELIGIONS (3 hrs.) A study of the most important features of Hinduism, Buddhism, Confucianism, Taoism, Zoroastrianism, and Islam. Offered in 1967-68.

REL. 331 THE PROPHETS (3 hrs.) The origin and nature of Old Testament prophecy. The mission and message of some of the leading prophets. Prerequisite: a course in Old Testament.

REL. 332 THE WISDOM OF ISRAEL (3 hrs.) An analysis of the meaning and significance of Job, Ecclesiastes, and other Old Testament wisdom literature. Prerequisite: a course in Old Testament.

REL. 333 STUDIES IN THE GOSPELS (3 hrs.) Methods of study in gospel literature are applied to the interpretation of the meanings of the Gospels. Prerequisite: a course in New Testament.

REL. 334 STUDIES IN PAULINE WRITINGS (3 hrs.) The letters and thinking of Paul are studied for an understanding of his principal contributions to Christian faith. Prerequisite: a course in New Testament.

REL. 341 INTRODUCTION TO CHRISTIAN MINISTRIES (1 or 2 hrs.) A seminar required for ministerial students who are at the beginning of a period of regular service to a church.

REL. 346 THE NEW TESTAMENT CHURCH (3 hrs.) A seminar study of church life in the New Testament and the significance of the New Testament Church in the contemporary situation. Prerequisite: a course in New Testament.

*REL. 411-412 INTERMEDIATE NEW TESTAMENT GREEK (3 hrs.) Selections from the Synoptic Gospels and the letters of Paul are read, with study of forms and expansion of vocabulary. Offered in 1967-68.

*REL. 421 VARIETIES OF RELIGIOUS DEVELOPMENT (3 hrs.) A study of ways in which personal religious faith develops, with particular attention to patterns in children, changes in adult life and reactions of persons under stress. Offered in 1967-68.

*REL. 422 EDUCATIONAL WORK OF CHURCH AND FAMILY (3 hrs.) How the church and the home provide for religious development. Offered in 1967-68.

REL. 423 PRACTICUM (1 to 3 hrs.) Work at supervised assignments in an approved church program, four to twelve weeks usually in summer. Credit determined by length of assignment, reports on activities and assigned readings, and summary paper.

REL. 451-452 CHRISTIAN BELIEFS (3 hrs.) A seminar study of Biblical doctrines and their relationship to historic and contemporary faith and life. 451 topic for 1966-67: Images of Man in Genesis and in Contemporary Literature. 452 topic for 1966-67: Faith and Ethics in Paul and John. Prerequisite: a course in Old Testament and a course in New Testament.

REL. 478 SEMINAR IN RELIGION (1 hr.) A seminar on the integration of the field of the comprehensive examination. Prerequisite: at least 18 hours of study in the department.

REL. 487-488 INDEPENDENT STUDY IN RELIGION (1 to 3 hrs.) For advanced students. A study selected by the student, subject to the approval of the Chairman of the Department.

REL. 491-492 HONORS COURSE (1 to 3 hrs.) Special problems and research studies in religion. Readings, conferences and reports on an area of special interest. Limited to students of superior ability and achievement. Permission of the Chairman of the Department required.

SOCIOLOGY AND ANTHROPOLOGY

AIMS

The Department seeks to provide a broad and varied curriculum to serve those planning a liberal education, those planning to go on to graduate school, those interested in related professional work, and as a resource for students in other departments. The

primary purpose of the Department is to advance sociological knowledge within the broader aims of the total liberal arts curriculum.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Flexibility is allowed the student in the completion of departmental requirements. Each student is required to complete a minimum of twenty-four hours. It is strongly urged that those planning to continue in graduate school complete thirty-six hours.

Sociology 204 is a prerequisite to all other courses for students concentrating in the field of Sociology. Students seriously considering sociology as a professional background are advised to take Sociology 301, 427, and 440.

SOCIOLOGY

SOC. 201 CONTEMPORARY U. S. SOCIAL PROBLEMS (3 hrs.) A study of some of the major social problems now confronting our society, such as crime and delinquency, divorce and family problems, race and minority group relations, personal pathologies, censorship and civil liberties, and the like.

SOC. 202 THE FAMILY (3 hrs.) The structure and function of the family in America and in various other societies. The comparative analysis of the relation of the family to personality, society, and culture.

SOC. 204 INTRODUCTORY SOCIOLOGY (3 hrs.) An analysis of the fundamental sociological perspectives, methods and concepts used in studying society. An introduction to the sociological analysis of the contemporary structure and process of society, culture patterns, major social institutions, social interaction, social control, social disorganization, and social change.

SOC. 301 SOCIAL DISORGANIZATION AND DEVIANT BEHAVIOR (3 hrs.) An analysis of the theories and problems of social disorganization and deviancy in human behavior: delinquency, crime, and related problems.

SOC. 303 SOCIOLOGICAL STATISTICS (3 hrs.) The course seeks to help the student understand how the sociologist handles quantitative data in the support of hypotheses. An examination of the most basic concepts in statistics utilized by sociologists with the primary emphasis upon comprehension and interpretation of the usage of these tools rather than their mathematical derivations.

SOC. 311 SOCIAL PSYCHOLOGY (Psychology 311) (3 hrs.) The study of the development of the self as influenced by the learning of symbolic interaction with members of primary and secondary groups. Discussion of factors in socialization, public opinion, propaganda, psychological warfare, mob, riot, panic, and other forms of group behavior as well as fads, fashions, crazes, and the like.

SOC. 326 CULTURE CONTACT AND SOCIAL CHANGE (3 hrs.) Theories of social change; problems of modernization in emergent nations; the nature of the traditional societies; comparative study of the impact of the Western civilization on the social structure, culture, and personality.

SOC. 327 SOCIAL STRATIFICATION (3 hrs.) Analysis of the system of social institutions of the contemporary United States in comparison with other societies. Emphasis will be placed on kinship, division of labor, economy, caste and class, religion, the organization of power structure, and education.

SOC. 329 INDUSTRIAL SOCIOLOGY (3 hrs.) The structure and function of industry; ideologies of management and labor; industrial relations and organization involving the problems of integration, conflict, and change.

SOC. 402 THE STUDY OF POPULATION (3 hrs.) The study of growth, distribution, composition, and characteristics, and related implications of the world's population. Examination of the theories of Malthus and other writers.

SOC. 427 MODERN SOCIOLOGICAL THEORY (3 hrs.) A critical examination of the theoretical contributions of Durkheim, Marx, Max Weber, Simmel, Parsons, Merton, and other selected theorists.

SOC. 440 METHODS OF SOCIAL RESEARCH (3 hrs.) An examination of the theory and methods of social research and research techniques. Prerequisite: Sociology 303.

SOC. 478 SENIOR SEMINAR (3 hrs.) Required of all students concentrating in the field. This course has three purposes: to integrate preceding work of the department; to give each student an opportunity to develop his particular interest in cooperation with the other members of the seminar group; and to prepare for the senior comprehensive examination.

SOC. 487-488 INDEPENDENT STUDY (1-3 hrs.) Designed for those students interested in Sociology and Anthropology who desire to do independent study in some special field. The field of study may be selected by the student, subject to the approval of the Chairman of the Department, according to interest and future needs.

Soc. 491-492 HONORS COURSE (1-3 hrs.) Advanced projects and minor research studies. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in the field who are seniors of superior ability. Permission of the Chairman of the Department required.

ANTHROPOLOGY

ANTHRO. 201 INTRODUCTION TO ANTHROPOLOGY (3 hrs.) General survey of the fields of anthropology; the nature of paleolithic men and cultures; human and cultural evolution in prehistoric and more recent times.

ANTHRO. 325 CULTURAL ANTHROPOLOGY (3 hrs.) The study of recent and contemporary man, with emphasis on economic life, kinship systems, political organization, art, religion, and magic. Prerequisite: Anthro. 201.

SPEECH AND DRAMA

AIMS

To assist the individual to develop attitudes and techniques for effectiveness in oral communication; and to assist the student toward the sort of personality manifestation that makes for creative individuality.

The student primarily interested in the field of Speech and Drama may elect a field of concentration in Fine Arts or in the field of Communications with an emphasis in Speech and Dramatics.

SPEECH 201 FUNDAMENTALS OF SPEECH (3 hrs.) Basic principles of effective speech. A course for beginning students with major emphasis on delivery. Attention is given to elementary speech composition, development of confidence and poise, vocabulary building, pronunciation and enunciation, speech psychology, and personality manifestation through the delivery of speeches.

SPEECH 202 ADVANCED PUBLIC ADDRESS (3 hrs.) Advanced principles of speech preparation and delivery. Detailed speech composition and active participation in classroom lectures, panels, and symposia on American Orators. Prerequisite: Speech 201.

SPEECH 225 VOICE AND DICTION (2 hrs.) A study of the physiology of speech and of effective use of the voice. Practice of techniques to improve speech patterns and eliminate faulty speech habits.

SPEECH 226 ORAL INTERPRETATION (2 hrs.) Study and practice of reading aloud from prose, poetry and dramatic literature. Emphasis on discovering and communicating the author's meaning. Reading in class and before various outside groups where possible. Offered on demand.

SPEECH 301 INTRODUCTION TO THE THEATRE (3 hrs.) A practical consideration and application of the various arts and crafts which go to make up the theatre; dramatic theory and criticism; and a consideration of the place and importance of the theatre in our culture.

SPEECH 302 INTRODUCTION TO RADIO AND TELEVISION (3 hrs.) Designed to give the student an over-all picture of the operational procedure in stations and networks; to develop a knowledge and appreciation of radio and television as powerful media of mass communication in our modern society. Field trips to radio and television stations at student expense.

SPEECH 303 RADIO WORKSHOP (1-2 hrs.) A workshop in practical radio designed for students working in radio on college station. Weekly one hour workshop-seminar session in addition to regular work at station duties. May be repeated up to 5 hours.

SPEECH 356 ARGUMENTATION AND DISCUSSION (3 hrs.) Training in systematic, logical thinking and speaking. Practice in presenting forensic and deliberative arguments. Study of parliamentary procedure. Participation in group discussions, mock trials and debates.

SPEECH 365 PLAY DIRECTION AND PRODUCTION (1-3 hrs.) This course is designed for students who act in and stage College plays. All students enrolled in the course will attend the one hour Actor's Studio Workshop to be arranged each semester. The course may be repeated for credit but the total credit earned may not exceed 6 credit hours. An applied course.

SPEECH 366 PRINCIPLES OF ACTING (3 hrs.) Basic acting techniques; historical and modern styles of acting, their principles, theories, and their application in the performance of scenes and plays. Prerequisite: Speech 365.

SPEECH 401 HISTORY OF THEATRE (3 hrs.) A study of the development of theatre in the Western World with a consideration of representative plays from Aeschylus to Albee.

SPEECH 487-488 INDEPENDENT STUDY (1-3 hrs.) Open to students of initiative and above-average ability in radio, theatre, public address, voice and diction, interpretation, or the teaching of speech, to work on special projects. Registration by permission of the Chairman of the Department.

HONORARY DEGREES CONFERRED

ON JUNE 4, 1966

DOCTOR OF DIVINITY

Myron Kauffman, Richmond, Virginia

DOCTOR OF SCIENCE

J. West Mitchell, Sewickley, Pennsylvania

DOCTOR OF HUMANITIES

Elizabeth Harris, Parkersburg, West Virginia

DOCTOR OF SCIENCE

Wesley J. Hennessy, New York, New York

DOCTOR OF LAWS

George Romney, Lansing, Michigan

BACCALAUREATE DEGREES CONFERRED IN COURSE

CLASS OF 1966

ON JUNE 4, 1966

BACHELOR OF ARTS

Summa Cum Laude

Allyn Eleanor Kistler

Magna Cum Laude

Sibylla S. Eisenhower

Edward John Pappas

Cum Laude

Carol June Duecker

Georgia Diane Knight

Jill Carol Campsey Miller

Rite

Mark Albanese
Richard Howard Albert
William Edward Allen
H. Leroy Austin, II
John William Bates
James Richard Baxter
George Franklin Stoney Bennett
Ragner Bergethon
Edward Gay Blundon
Theodore Vodrey Boyd

Jerilyn Diane Brechner
Richard William Bruns
Theodore W. Bunnell
Ruth Anne Bushfield
Bernard Royal Byrum, Jr.
Lynn Fowler Caseman
Ralph Matthew Cipoletti
James Edward Clarke
Christopher E. Coleman
Bruce Campbell Cook

Robert William Cyphert
 Norman DiClemente
 Carol June Duecker
 Alan Norwood Duvall
 Jane Buchanan Egbert
 Sibylla S. Eisenhauer
 Jane Louella Fitzgerald
 Ann Yingling Foubert
 Merial Elizabeth Graff
 Linda Ann Graham
 Edison Garfield Griffin, Jr.
 Patricia Quinn Griffin
 Larry Eugene Hall
 Billie Edgar Hankins
 Andrea Carol Healy
 Sandra Lee Herbert
 Michael Patrick Herrick
 William Orville Hickok 5th
 Christina Maria Hoshowsky
 Mary A. Huston
 John David Joralemon
 Lynda Louise King
 Allyn Eleanor Kistler
 Georgia Diane Knight
 Charlotte Jean Koontz
 Paul Franklin Kradel, Jr.
 David Michael Ladd
 Samuel Morrison Laird
 Barbara Jay Leighten
 Eileen Lynn Lotz
 Kenneth T. Lueckert
 Pamela Hebel Mauger
 Roger Bryan Meilton
 William Albert Merrigan
 George Henry Mettler, Jr.
 Harry Curtis Miller, Jr.
 Jill Carol Campsey Miller
 Wilson Secrest Mitchell

Irene Zirkle Mohr
 Nancy Lee Monroe
 Barbara Elisse Najar
 Donald Robert Neff
 James P. O'Roark
 Edward John Pappas
 Pamela Pitkin
 Carl E. Ramming
 Mary Lynne Reeve
 Judy Larrick Robinson
 Edmund Jesse Rollo
 Robert Charles Schollaert
 Gene Francis Shapert
 Sarah Lowe Shields
 Susan Findlay Siegfried
 Robert Duncan Sipprell, Jr.
 Robert James Solar
 Allan Dale Sowers, '43
 Cecelia Anne Specht
 Beth Inez Spiegelberg
 Peggy Susan Baird Sponagle
 Tatiana Surawy
 Arne Richard Themmen
 Judith Elizabeth Toth
 Jay Bernard Waldstein
 Paul Richard Weber
 Peter Richard Weber
 Sallie Leaf Weber
 Joyce Ann Weed
 Rosemary M. Weiler
 Lawrence Alan Weiss
 Margaret McFarland Williamson
 Richard Earl Williamson
 Barbara Don Wilson
 Martha Jean Wood
 Larry Wayne Yanda
 Pamela Hintz Yardis
 Maria Kathleen Zisa

BACHELOR OF SCIENCE

Summa Cum Laude

Donald K. Jaeger

Michael Ben Klein
 Nancy Rose Miller

Cum Laude

Kay Ellen Burdette
 Thomas Warren Campbell, Jr.

F. Gloria Kazarian
 Kenneth Jay Mishkin
 Allan Schonberg

Rite

Percival Christian Banks
 Wayne Douglas Benjamin
 John D. Brown
 Kay Ellen Burdette
 Anthony Regis Burns

Thomas Warren Campbell, Jr.
 Gregory Czika
 Quentin Scott Dressler
 Larry Woodyard Fehr
 David R. Fussaro

Drinda Jeanne Harris
 Donald K. Jaeger
 Jeffrey Allen Jahre
 F. Gloria Kazarian
 Michael Ben Klein
 Michael John Kurey
 John Christopher Leavitt
 Joseph Anthony Mayercheck
 Jack Jay Stein

Mark A. McCloy
 Nancy Rose Miller
 Kenneth Jay Mishkin
 Roger Lee O'Brien
 James Gary Platt
 John W. Riley, Jr.
 Allan Schonberg
 John D. Shutter

ROSTER OF STUDENTS

ACADEMIC YEAR

1965-1966

SENIORS

Albanese, Mark	Portchester, N. Y.
Allen, William	Bethany, W. Va.
Armstrong, Thomas	Carlisle, Pa.
Arnold, Robert	San Francisco, Calif.
Austin, H. Leroy	Carnegie, Pa.
Banks, Kerry	Hampton Bays, N. Y.
Bastian, Cathryn	McMurray, Pa.
Bates, John	Norwalk, Conn.
Baxter, James	Rochester, N. Y.
Benjamin, Wayne	Riverhead, N. Y.
Bennett, George	Erie, Pa.
Bergethon, Ragnar	Bergenfield, N. J.
Bizik, David	Dayton, Ohio
Blundon, Edward	Wheeling, W. Va.
Bolinger, Herman	Bethany, W. Va.
Boyd, Theodore	Portsmouth, Ohio
Branch, Lawrence	West Englewood, N. J.
Brown, John	Bethany, W. Va.
Bruns, Richard	Millerton, N. Y.
Bunnell, Theodore	Westfield, N. J.
Burns, Anthony	Pittsburgh, Pa.
Bushfield, R. Anne	Triadelphia, W. Va.
Byrum, Bernard, Jr.	Wheeling, W. Va.
Campbell, Thomas	Fairplay, Md.
Clarke, James	Connellsville, Pa.
Coleman, Christopher	Rochester, N. Y.
Cook, Bruce	Plainsville, Mass.
Coulter, James	Vienna, Va.
Currence, Robert	Verona, Pa.
Cyphert, Robert	Gibsonia, Pa.
Czika, Anthony	Cleveland, Ohio
Decker, Richard	Melrose, Mass.
DiClemente, Norman	Coraopolis, Pa.
Duecker, Carol	Vestal, N. Y.
Dunham, Deloris	Bethany, W. Va.
Duvall, Alan	Wheeling, W. Va.
Egbert, Jane	Ridgewood, N. J.

Fehr, Larry	Wheeling, W. Va.
Fitzgerald, Jane	Cyclone, Pa.
Foubert, Ann	McDonald, Pa.
Fussaro, David	Oakmont, Pa.
Gardner, Barry	Brilliant, Ohio
Graham, Linda	Carnegie, Pa.
Griffin, Edison	Newburgh, N. Y.
Griffin, Patricia	Canton, Ohio
Guisler, Thomas	Huntingdon, Pa.
Hall, Larry	Barberton, Ohio
Hankins, Billie	Pittsburgh, Pa.
Harris, Drinda	Niagara Falls, N. Y.
Hauptfuehrer, Kurt	Bethany, W. Va.
Healy, Andrea	New York, N. Y.
Herrick, Michael	Mingo Junction, Ohio
Hickok, William	Harrisburg, Pa.
Hoshowsky, Christine	Rochester, N. Y.
Jaeger, Donald	Morris Plains, N. J.
Jahre, Jeffrey	Brooklyn, N. Y.
James, Evan	Poland, Ohio
Jones, Patricia	Bethany, W. Va.
Joralemon, John	Pittsburgh, Pa.
Kennen, Carole	Wheeling, W. Va.
Kistler, Allyn	Pittsburgh, Pa.
Klein, Michael	Flushing, N. Y.
Knight, G. Diane	Warren, Ohio
Kradel, Paul	Butler, Pa.
Kurey, Michael	Monessen, Pa.
Ladd, David	Hamden, Conn.
Laird, Samuel	Media, Pa.
Leavitt, John	Rowayton, Conn.
Leighton, Barbara	Watford, England
Mallalieu, Frank	Westfield, N. J.
Marsh, Judith	Summit, N. J.
Mauger, Clyde	Aldan, Pa.
Mauger, Pamela	Bethany, W. Va.
Mayercheck, Joseph	Connellsville, Pa.
McCloy, Mark	Pittsburgh, Pa.
Meilton, Roger	Beaver, Pa.
Mendrzycki, James	Carnegie, Pa.
Merrigan, William	Schaghticoke, N. Y.
Mettler, George	Hamden, Conn.
Miller, Frank	Steubenville, Ohio
Miller, Harry	Steubenville, Ohio
Miller, Michael	Washington, D. C.
Miller, Nancy	Burgettstown, Pa.
Mishkin, Kenneth	Forest Hills, N. Y.
Mitchell, Wilson	Columbus, Ohio
Mohr, Irene	Warwick, R. I.
Monroe, Nancy	Charleston, W. Va.
Muller, Patricia	Roslyn, L.I., N. Y.
Najar, Barbara	Wyckoff, N. J.
Neff, Donald	Bethel Park, Pa.
Nevius, George	Plainfield, N. J.
Nonemaker, Richard	Glen Ridge, N. J.
O'Brien, Roger	Marion, Ind.
O'Roark, James	Weirton, W. Va.
Pappas, Edward	Neptune, N. J.
Pitkin, Pamela	Wheeling, W. Va.
Platt, James	Wellsburg, W. Va.

Ramming, Carl	Montvale, N. J.
Reeve, Mary	Coraopolis, Pa.
Riley, John	Westwood, N. J.
Rollo, Edmund	Wellsburg, W. Va.
Scangarello, Mary	Pittsburgh, Pa.
Schollaert, Robert	Atlasburg, Pa.
Schonberg, Allan	Brooklyn, N. Y.
Setzer, Marilyn	Westfield, N. J.
Shapert, Gene	McKees Rocks, Pa.
Shields, Sarah	Kensington, Md.
Shutter, John	Ligonier, Pa.
Siegfried, Susan	Madison, N. J.
Sipprell, Robert	Buffalo, N. Y.
Smith, Carolyn	Chatham, N. J.
Solar, Robert	Maynard, Ohio
Specht, Cecelia	Somerset, Pa.
Spiegelberg, Beth	Silver Spring, Md.
Stein, Jack	Ambridge, Pa.
Themmen, Arne	Teaneck, N. J.
Thistlethwaite, Ronald	Wellsburg, W. Va.
Thomas, Wendy	Pittsburgh, Pa.
Waldstein, Jay	Teaneck, N. J.
Weber, Paul	Somerset, Pa.
Weber, Peter	Somerset, Pa.
Weber, Sallie	Devon, Pa.
Williamson, Richard	Stratford, Conn.
Wilson, Barbara	Miami, Fla.
Wood, Martha	Essex Fells, N. J.
Woodruff, Mary	Charleston, W. Va.
Yanda, Larry	Dillonvale, Ohio
Zisa, M. Kathleen	Hackensack, N. J.

JUNIORS

Abrams, Charles	Pittsburgh, Pa.
Albert, Charles	Fairhaven, Conn.
Alexas, F. Georgia	Washington, Pa.
Allison, Jerry	Union City, Pa.
Arbaugh, Bruce	Bridgeport, Ohio
Ashcraft, Linda	Toronto, Ohio
Bailey, Kenneth	Fairmont, W. Va.
Bassett, Lane	Export, Pa.
Beachley, Virginia	Hagerstown, Md.
Bender, Ronald	Weirton, W. Va.
Bertram, John	Wellsburg, W. Va.
Bortz, Walter	Greensburg, Pa.
Brand, Jane	Pittsburgh, Pa.
Brink, Barrett	Grosse Pointe Farms, Mich.
Brown, Geoffrey	Fair Lawn, N. J.
Brown, Marilyn	McKeesport, Pa.
Burrall, Charles	Philadelphia, Pa.
Capstaff, James	New York, N. Y.
Case, Neil	Riverdale, N. J.
Clark, Richard	Montclair, N. J.
Clayman, Michael	Washington, D. C.
Clayton, Stephen	Philadelphia, Pa.
Cobb, Marilyn	Painesville, Ohio
Coffield, S. Diane	New Martinsville, W. Va.
Coundjeris, Arthur	Beechhurst, N. Y.

Coundjeris, Barbara	Beechhurst, N. Y.
Crooks, Ronald	Munster, Ind.
Culbert, Sue	McKeesport, Pa.
Cullinane, James	Linden, N. J.
Davis, James	Wheeling, W. Va.
DeCanio, Rudy	Demarest, N. J.
Decker, Barbara	Westwood, N. J.
Deer, Robert	Elizabeth, Pa.
Deitch, Larry	Salem, Ohio
DePrince, Charles	Cherry Hills, N. J.
Douglas, Jeffrey	Brooklyn, N. Y.
Edele, Carol	Ridgewood, N. J.
Ejzak, Paul	Pittsburgh, Pa.
Elliott, Dawna	Pittsburgh, Pa.
Elston, Jill	Niagara Falls, N. Y.
Erisman, Linda	Cleveland, Ohio
Erskine, John	Pittsburgh, Pa.
Fairbrother, Charles	Stonington, Conn.
Farah, Kenneth	Englewood, N. J.
Farnsworth, Ann	Pittsburgh, Pa.
Farrell, James	Wheeling, W. Va.
Fidali, Kenneth	Livingston, N. J.
Fields, Gary	Wellsburg, W. Va.
Filler, Leonard	Salem, Ohio
Fleming, Patricia	Pleasantville, Pa.
Forbes, James	Madison, N. J.
Fowler, Sandra	Bethany, W. Va.
Frohring, Wayne	Newbury, Ohio
Gardini, Fred	Bridgeport, Ohio
Gast, Marilyn	Wheeling, W. Va.
Gearhart, Herbert	Drexel Hill, Pa.
Geisel, Viola	Brooklyn, N. Y.
German, Gail	Westfield, N. J.
Goldstein, Robert	Beverly Hills, Calif.
Grafman, Leslie	New York, N. Y.
Guder, Lowman	Brownsville, Pa.
Hall, Darwin	Washington, D. C.
Harris, Fred	Warren, Ohio
Hartman, Howard	Painesville, Ohio
Hatefi, Abdollah	Teheran, Iran
Herbert, Victor	Western Springs, Ill.
Hirsch, Bennett	Belle Harbor, N. Y.
Hoffman, Howard	Pittsburgh, Pa.
Hopper, Thomas	Enterprise, Ala.
Hottel, Robert	Steubenville, Ohio
Hubbell, James	Aberdeen, Md.
Hughes, Marilyn	Finleyville, Pa.
Hunt, Walter	Linwood, N. J.
Ickes, Barbara	Canton, Ohio
Johnston, Pamela	Pittsburgh, Pa.
Jolley, Carolyn	Golf, Ill.
Jolley, E. Robert	St. Clairsville, Ohio
Keys, Arthur	Washington, Pa.
Kinney, William	West Alexander, Pa.
Kobylka, David	Lake Hiawatha, N. J.
Koch, Judith	Flint, Mich.
Koch, Raymond	Verona, Pa.
Koch, Robert	Pittsburgh, Pa.
Krayer, Wilma	Summit, N. J.
Lambert, David	McKeesport, Pa.

Landolt, Denise	Zurich, Switz.
Lang, Mary	Toronto, Ohio
Lasker, Susan	Hewlett, L.I., N. Y.
Leixner, Charles	Kenmore, N. Y.
Lewis, Kathleen	Pittsburgh, Pa.
Lindell, Barbara	Westwood, N. J.
Lindsay, Betsy	Mansfield, Ohio
Lindsay, Douglas	McMurray, Pa.
Lloyd, Robert	Bethany, W. Va.
Locke, Joanne	Bridgeport, Conn.
Lovette, Virginia	Ocean City, N. J.
Lusk, Ben	Clairton, Pa.
MacKenzie, Roderick	Wynnewood, Pa.
Mansfield, Richard	Marietta, Ohio
Markovich, Edward	Bethany, W. Va.
McCandless, James	Pittsburgh, Pa.
McGrath, Charles	Lincoln Park, N. J.
McNally, John	Pittsburgh, Pa.
Michele, Mary	Montclair, N. J.
Miller, Kenneth	Pittsburgh, Pa.
Mohr, Kenneth	Shelbyville, Ind.
Moran, Jack	Pittsburgh, Pa.
Nern, Douglas	Wheeling, W. Va.
Newcomer, Richard	Ridley Park, Pa.
Oguss, David	Far Rockaway, N. Y.
Olson, Margaret	Fair Lawn, N. J.
Osborne, Ronaleen	Long Bottom, Ohio
Owen, Mark	Wellsburg, W. Va.
Patterson, JoAnne	Bethany, W. Va.
Patterson, Vance	Grove City, Pa.
Perlberg, Joan	New Canaan, Conn.
Peterson, John	Upper Montclair, N. J.
Preston, Emily	Angola, Ind.
Pritchard, Dianne	Glenshaw, Pa.
Rabinowitz, Neil	Brooklyn, N. Y.
Rackley, Frank	Washington, Pa.
Rawson, Thomas	Stratford, Conn.
Reed, William	Baldwin, N. Y.
Rehm, Randolph	Little Ferry, N. J.
Riley, Robert	Munhall, Pa.
Rodnok, Susan	Oakmont, Pa.
Rogers, Robert	Bergenfield, N. J.
Rose, Russell	Springfield, N. J.
Rosensteele, Donna	Grand Island, N. Y.
Scangarello, Peter	Fairfield, N. J.
Schempp, Edward	North Plainfield, N. J.
Schnell, J. Gerald	Framingham, Mass.
Schreiber, George	Pittsburgh, Pa.
Shiffman, David	West New York, N. J.
Simms, John	Finleyville, Pa.
Smallwood, Arthur	Amityville, N. Y.
Smith, Timothy	Snyder, N. Y.
Smith, Wilson	Stratford, Conn.
Sniffin, Paul	Oakland, N. J.
Soly, Sieglinde (Mrs.)	Bethany, W. Va.
Sprinkle, Joseph	Pittsburgh, Pa.
Spurgeon, Barbara	Uniontown, Pa.
Staples, Linda	Baltimore, Md.
Stefanac, Thomas	Pittsburgh, Pa.
Steinford, Marion	North Plainfield, N. J.

Stevenson, Edward	Claysville, Pa.
Swindler, Billie	Warren, Ohio
Tischler, Irwin	Teaneck, N. J.
Titzel, Gary	Greenville, Pa.
Trautman, Frederick	Martins Ferry, Ohio
Trawitz, Ronald	Camp Hill, Pa.
Tye, Jean	Bethany, W. Va.
Ueland, Stephen	New Hyde Park, N. Y.
Uhrig, James	Irwin, Pa.
Valan, John	Wheeling, W. Va.
Vlahakis, Valerie	Staten Island, N. Y.
Walters, Ramona	Bethany, W. Va.
Wattel, William	Forest Hills, N. Y.
Watts, Rebecca	Marblehead, Mass.
Welton, Philip	Pittsburgh, Pa.
Whitaker, Mary	Weirton, W. Va.
White, Robert	McMurray, Pa.
Wicks, Victor	Ingomar, Pa.
Wollison, Herbert	Youngstown, Ohio
Wolovitz, Gary	Pittsburgh, Pa.
Yoak, Donald	Wheeling, W. Va.
Yoder, Susan	Friedens, Pa.
Young, Sandra	Milford, Conn.

SOPHOMORES

Abraham, Thomas	Wheeling, W. Va.
Adams, Thomas G.	McKeesport, Pa.
Adams, Thomas T.	St. Albans, W. Va.
Adelhelm, William	Wynnewood, Pa.
Akins, Thomas	Pittsburgh, Pa.
Alderman, Sarah	New Canaan, Conn.
Alfieri, Frank	Syosset, N. Y.
Allen, Arnel	Pittsburgh, Pa.
Allen, Janice	Alexandria, Va.
Anderson, Susan	Summit, N. J.
Antioch, Richard	Wheeling, W. Va.
Ashbaugh, Craig	Pittsburgh, Pa.
Baer, Susan	Columbus, Ga.
Ballouz, John	Atlantic Highlands, N. J.
Barnes, Sharon	Montclair, N. J.
Barnum, Wilton	Chardon, Ohio
Barrett, James	Paoli, Pa.
Bassett, Louise	Export, Pa.
Beck, Jonathan	Merion Station, Pa.
Belfour, Joan	Pittsburgh, Pa.
Bell, Betty	Wellsburg, W. Va.
Binotto, Larry	McMurray, Pa.
Birkins, Richard	Wyckoff, N. J.
Boggs, Marilu	Wilmington, Del.
Bonchosky, Liesel	Uniontown, Pa.
Brewer, David	Pittsburgh, Pa.
Briggs, Richard	Nutley, N. J.
Broberg, Albert	Venetia, Pa.
Brouse, Edward	Eggertsville, N. Y.
Brucker, Jancie	Summit, N. J.
Burke, Francis	Rutherford, N. J.
Butella, Laureen	McKeesport, Pa.
Buzzard, Madelyn	Red Bank, N. J.
Calabrese, Frank	Hoboken, N. J.

Canning, Patte	Burgettstown, Pa.
Caputo, Ami	McKees Rocks, Pa.
Christensen, Jon	Erie, Pa.
Clark, D. Wilson	Essex, Conn.
Coe, Alan	Malvern, Pa.
Cohen, Alan	Steubenville, Ohio
Cohn, Steven	Rego Park, N. Y.
Copenhaver, William	Winchester, Va.
Cramer, Leanne	LaGrange, Ill.
Cunningham, Merleen	Wayne, Pa.
Curran, Dean	North Merrick, N. Y.
Cyphers, Donna	Pennington, N. J.
DeVoe, Phillip	Kendallville, Ind.
Dodsworth, Renee	Wellsburg, W. Va.
Dunn, James	Uniontown, Pa.
Dunn, Leslie	Pittsburgh, Pa.
duPont, William	Johnstown, Pa.
Durdan, Donald	McKees Rocks, Pa.
Dyke, Laurel	Westfield, N. J.
Dyson, David	Pittsburgh, Pa.
Ely, Theodore	Erie, Pa.
Evans, Glenn	Riverhead, N. Y.
Evans, J. William	Warren, Ohio
Evans, Sara	Follansbee, W. Va.
Ewing, Michael	Lutherville, Md.
Faber, Nancy	Franklin Lakes, N. J.
Falk, Julie	Bellevue, Pa.
Farrall, Sherry	Paoli, Pa.
Fenwick, Mark	McDonald, Pa.
Fetters, Raymond	Fair Lawn, N. J.
Fidago, Sandra	Pittsburgh, Pa.
Fisher, Mary	Chelmsford, Mass.
Friebertshauser, Jan	Wheeling, W. Va.
Friedlander, Daniel	Forest Hills, N. Y.
Frohring, Constance	Bethany, W. Va.
Fulmer, Dianne	West Mifflin, Pa.
Funka, Thomas	Washington, Pa.
Furniss, David	Bristol, Conn.
Gabell, Charles	Pittsburgh, Pa.
Gee, Richard	Wyckoff, N. J.
Geer, J. Ellen	Falls Church, Va.
Giacco, Lewis	Verona, Pa.
Giles, Kathleen	Albany, N. Y.
Gilyard, Mark	Cheshire, Conn.
Glauser, Marylu	Steubenville, Ohio
Goeller, Mark	Miami, Fla.
Goodnight, Jenny	Indianapolis, Ind.
Gratz, H. St Clair	Bellaire, Ohio
Gregg, Susan	Greenlawn, N. Y.
Gureasko, Robert	Brooklyn, N. Y.
Gwynn, Vicki	Pittsburgh, Pa.
Haddad, Kate	Williamsville, N. Y.
Haehl, John	Shelbyville, Ind.
Hails, Janet	Pittsburgh, Pa.
Hall, Joan	North Haven, Conn.
Hann, Pamela	Novelty, Ohio
Hanna, Marsha	Solon, Ohio
Harris, Larry	Clinton, Md.
Hegmann, J. Barbara	Franklin Square, N. Y.
Highers, Edward	Cazenovia, N. Y.

Hill, Jean	Punxsutawney, Pa.
Hiscox, Donald	Lisbon, Ohio
Holler, Daryl	Charleroi, Pa.
Hoop, William	Pittsburgh, Pa.
Hornack, Michael	Charleroi, Pa.
Hugley, Patricia	Dallas, Texas
Hunter, Kirk	Kalamazoo, Mich.
Hustead, Jay	Uniontown, Pa.
Irwin, Robert	Steubenville, Ohio
Jacoby, Leslie	New York, N. Y.
Janis, Gordon	Brooklyn, N. Y.
Jay, Richard	Flushing, N. Y.
Jenne, Karen	Germantown, Md.
Johnson, Albert	Venetia, Pa.
Jones, J. Cynthia	Youngstown, Ohio
Kaiser, Deborah	Pittsburgh, Pa.
Kalcevic, Terrence	Clairton, Pa.
Kaniecki, Stanley	Wheeling, W. Va.
Karl, Donald	Summit, N. J.
Keil, Ronald	Washington, D. C.
Kelly, Howard	Triadelphia, W. Va.
Kenah, Stanley	Bethel Park, Pa.
Kerner, Emily	Kensington, Md.
Kinsey, A. John	Pompton Lakes, N. J.
Kirkwood, Randy	DuBois, Pa.
Koch, Charles	Flint, Mich.
Kupelian, Theodore	Chevy Chase, Md.
LaBrie, Henry	Cresskill, N. J.
Laeng, J. Thomas	Pittsburgh, Pa.
Landrum, John	Burlington, N. C.
Leggett, Virginia	Pittsburgh, Pa.
Lewinger, John	Freehold, N. J.
Lively, William	Charleston, W. Va.
Livingstone, Thomas	Westlake, Ohio
Lowe, William	Wheeling, W. Va.
Ludick, JoAnne	Miami, Fla.
Lupton, Robert	Westport, Conn.
Lykens, Thomas	Spring City, Pa.
Lynch, Vyrl	Irwin, Pa.
MacMillan, Alison	Tonawanda, N. Y.
Marino, Angelo	Paterson, N. J.
Marion, Margaret	Paterson, N. J.
Marranca, Salvatore	Buffalo, N. Y.
Marshall, Senseney	Marshall, Va.
Mastorakis, Basilios	Athens, Greece
Mauro, Brian	Garfield Hts., Ohio
Maxfield, Mary	Upper Montclair, N. J.
McCormick, Carol	Kent, Ohio
McCoy, Nancy	Palestine, Ohio
McDaniel, Jacquelyn	Uniontown, Pa.
McKinley, Martha	Pittsburgh, Pa.
McMurrer, Edward	Ridgewood, N. J.
Meilton, Andrew	Beaver, Pa.
Melott, Adrian	Moundsville, W. Va.
Miller, Dale	Clairton, Pa.
Miller, Kay	Marietta, Ohio
Miller, Ronald	Danbury, Conn.
Milligan, Kenyon	Weirton, W. Va.
Morgan, Joseph	Rocky River, Ohio
Myers, Lois	Shadyside, Ohio

Nawabi, Ardavan	Teheran, Iran
Nedley, Judith	Charleroi, Pa.
Nelson, R. Penelope	Narberth, Pa.
Neubauer, Margo	Berkeley Heights, N. J.
Nicholson, Robert	Pittsburgh, Pa.
Nolan, Thomas	Port Jervis, N. Y.
Oakes, Robert	Mansfield, Ohio
O'Brien, Jacqueline	Steubenville, Ohio
Omasta, Thomas	West Mifflin, Pa.
Ott, James	Rocky River, Ohio
Painter, Jaclyne	Washington, Pa.
Patterson, Robert	Pittsburgh, Pa.
Petrencs, John	Pittsburgh, Pa.
Phillips, David	Montclair, N. J.
Phillips, John	Pittsburgh, Pa.
Ply, Richard	Boonton, N. J.
Poggi, Robert	Tenafly, N. J.
Pollack, Jeffrey	Lawrence, N. Y.
Ponicall, F. Michael	Pittsburgh, Pa.
Ponton, Robert	Washington, Pa.
Posey, Carol	Clarksburg, W. Va.
Powers, John	Girard, Ohio
Price, Patricia	Salem, Ohio
Pugh, D. Terry	St. Clairsville, Ohio
Rahmlow, Richard	Westwood, N. J.
Rantucci, Tecla	Buffalo, N. Y.
Read, Arthur	Cranston, R. I.
Reardon, Patrick	Pittsburgh, Pa.
Reed, Beth	Trenton, N. J.
Reed, Donald	Tiffin, Ohio
Reitz, Rodney	Naugatuck, Conn.
Renfer, Michael	Pittsburgh, Pa.
Reynolds, Gary	Kokomo, Ind.
Reynolds, Jenepher	Pittsburgh, Pa.
Rhyne, Carol	Palmetto, Fla.
Riggs, Jennifer	Winamac, Ind.
Rinfret, W. Alan	Riverdale, N. Y.
Roberts, Ronald	Medfield, Mass.
Rogers, Charles	Danbury, Conn.
Rogers, Joyce	Wellsville, N. Y.
Ross, Jules	Pittsburgh, Pa.
Rowe, Alvord	Akron, Ohio
Ruckel, Robert	Glenshaw, Pa.
Runk, James	Harrisburg, Pa.
Russell, Glenn	Rehoboth Beach, Del.
Samuels, Arnold	Pittsburgh, Pa.
Schindler, Alan	Pittsburgh, Pa.
Schmolze, Glenn	Glen Rock, N. J.
Schreck, Joanne	Wyomissing, Pa.
Schultz, Gordon	Pittsburgh, Pa.
Sebest, Gail	McKeesport, Pa.
Seeley, Bruce	Cheshire, Conn.
Selestay, Joyce	Weirton, W. Va.
Selser, Valerie	Elkin Park, Pa.
Shannon, Newton	Wellsburg, W. Va.
Shapira, Eric	Sherman Oaks, Calif.
Shemanski, Kenneth	Martins Ferry, Ohio
Sherman, Harvey	Carnegie, Pa.
Shoup, Pamela	Bethany, W. Va.
Sirney, Cynthia	Shalimar, Fla.

Slater, Robert	Orange, Conn.
Smith, Robert	Wellsville, N. Y.
Smith, Roger	Pittsburgh, Pa.
Smock, Thomas	Wellsville, N. Y.
Smyth, Paul	New Milford, N. J.
Spiegel, Susan	Glen Rock, N. J.
Staeger, Arthea	Mountain Side, N. J.
Stephens, Daniel	Dillonvale, Ohio
Stephenson, Lucinda	Natrona Heights, Pa.
Stevenson, Arthur	Bristol, Conn.
Story, K. Dianne	New Canaan, Conn.
Strauss, Carter	Wheeling, W. Va.
Swager, Ronald	Westwood, N. J.
Sweeney, Barbara	Madison, N. J.
Tapley, Sarah	Winter Park, Fla.
Taylor, Cynthia	Danbury, Conn.
Turnage, James	Bethesda, Md.
Tye, Jay	Bethany, W. Va.
Tyler, Jo	Bedford Hills, N. Y.
Ulm, William	Elizabeth, Pa.
VanSaun, Robert	Teaneck, N. J.
Wagner, Deborah	Pittsburgh, Pa.
Wagner, Jeffrey	Pittsburgh, Pa.
Wall, Barbara	Blackwood, N. J.
Walters, Myron	Bethany, W. Va.
Ward, Richard	Ligonier, Pa.
Warrick, George	Washington, Pa.
Watkins, William	California, Pa.
Webb, David	Bethesda, Md.
Webb, Ian	Ontario, Canada
Webb, Peter	Woodcliff Lake, N. J.
Wiegand, Roy	Pittsburgh, Pa.
Wiggins, Marion	Camp Hill, Pa.
Wilson, John	Clinton, Pa.
Wilson, Linda	McKeesport, Pa.
Wilson, Ronald	Livingston, N. J.
Witthuhn, Norman	Wheeling, W. Va.
Wolcott, Daniel	New Castle, Del.
Wood, Deborah	Wheeling, W. Va.
Woodward, Richard	Massapequa, N. Y.
Wynne, Elizabeth	Towson, Md.
Yetter, James	Wilmington, Del.
Young, Stanley	Niagara Falls, N. Y.

FRESHMAN

Acree, Amos, Jr.	Jacksonville, Fla.
Adams, Candace	Birmingham, Mich.
Albohn, Adrienne	Whippany, N. J.
Ali, Nicholas	Pittsburgh, Pa.
Allalemdjian, Veron	Manhasset, N. Y.
Allen, E. Suzanne	Pittsburgh, Pa.
Allen, Stephen	Bethany, W. Va.
Amato, Jack	Wellsville, Ohio
Anderson, Wesley	Bethel Park, Pa.
Antis, Marc	Pittsburgh, Pa.
Appleton, Christine	Watchung, N. J.
Arentzen, Peter	Ramsey, N. J.
Aston, Darlene	McKees Rocks, Pa.
Atwill, Frederick	Hamburg, N. Y.

Aussenberg, Martin	Pittsburgh, Pa.
Austin, Theodore	Richmond, Va.
Bailey, Leslie	New York, N. Y.
Baldino, Robert	Long Branch, N. J.
Ballentyne, John	Charleroi, Pa.
Barr, L. Michael	Summit, N. J.
Beach, Roger	Essex Fells, N. J.
Bell, Howard	Washington, Pa.
Bennett, Christina	Burlington, N. J.
Berry, John	Washington, Pa.
Bertolo, Joanne	Hanover, N. J.
Bickford, Sylvia	Williamsville, N. Y.
Blinchik, Mark	Brooklyn, N. Y.
Bohne, G. Jeffrey	Berkeley Heights, N. J.
Boich, Cynthia	Wheeling, W. Va.
Bolender, David	Uniontown, Pa.
Born, Barbara	Ho-Ho-Kus, N. J.
Bourcy, Michael	Rochester, N. Y.
Bowen, Jeff	East Aurora, N. Y.
Bradley, Douglas	Pittsburgh, Pa.
Bradney, Michael	Valparaiso, Ind.
Brevak, Nancy	West Homestead, Pa.
Buchanan, Marion	Newton Falls, Ohio
Buck, W. Lawrence	Hamburg, N. Y.
Bunn, Steven	Akron, Ohio
Burmaster, Dale	Orange, Conn.
Burse, Jane	Ridgewood, N. J.
Candela, Bernard	Bergenfield, N. J.
Capasso, Mary	Teaneck, N. J.
Caradine, Richard	Great Neck, N. Y.
Carr, Olivia	Hardwick, Vt.
Casey, Laura	Staten Island, N. Y.
Ceperley, Martha	Charleston, W. Va.
Clapp, Andrea	Washington, Pa.
Clark, Deborah	Springfield, Pa.
Clarke, Gregory	Washington, Pa.
Clemson, Barbara	Pittsburgh, Pa.
Cline, Wayne	Wellsburg, W. Va.
Cohen, David	Springfield, N. J.
Cohen, Jeffrey	Arverne, N. Y.
Conner, Coleen	Lockport, N. Y.
Copeland, Edward	Pittsburgh, Pa.
Cornelius, Robert	Steubenville, Ohio
Corner, Howard	Bethel Park, Pa.
Cost, John	Pittsburgh, Pa.
Coughlin, Penni	Essex Fells, N. J.
Croston, Joseph	Wellsburg, W. Va.
Cunningham, Marsha	McKeesport, Pa.
Damian, Michele	West Mifflin, Pa.
Danco, Rodney	Aliquippa, Pa.
Darling, Judy	McKeesport, Pa.
Davidson, Paul	Forest Hills, N. Y.
Davis, Phillip	McKees Rocks, Pa.
Davis, Virginia	Pine Beach, N. J.
Dean, Cheryl	Columbus, Ohio
Deemer, Karen	Pittsburgh, Pa.
Dennison, Susan	Pittsburgh, Pa.
DeVoe, Kathleen	Kendallville, Ind.
Devonshire, Roger	Bilbao, Spain
DeYoung, Pamela	Ridgewood, N. J.

Diaz, Barry	Douglaston, N. Y.
Dibble, Judith	Morris Plains, N. J.
Dignan, Peter	Carnegie, Pa.
Dobbins, Conner	Elm Grove, W. Va.
Dolch, Norman	Warrensville Heights, Ohio
Donaldson, David	Pittsburgh, Pa.
Donaldson, Dennis	Gary, Ind.
Downham, Susan	Kinnelon, N. J.
Downs, Sally	Moundsville, W. Va.
Dulany, Frances	Chatham, N. J.
Eger, Jeffrey	Aliquippa, Pa.
Eicher, Cathy	Roanoke, Va.
Euwer, Diane	Detroit, Mich.
Fasch, Lincoln	Milton, Mass.
Faux, Daniel	BoSierra Leone, West Africa
Ferguson, Clinton	Pittsburgh, Pa.
Ferkol, David	Wheeling, W. Va.
Fetterman, Sue	Pittsburgh, Pa.
Feyche, Paula	Canonsburg, Pa.
Fialkowski, Robert	Bellaire, Ohio
Filbert, Bryson	New Canaan, Conn.
Findling, Harry	Pittsburgh, Pa.
Fischman, Eric	West Hempstead, N. Y.
Fitzgerald, William	Norwalk, Conn.
Fleming, Marcia	Lewistown, Pa.
Fleming, Mary	Lewistown, Pa.
Flower, Paula	White Plains, N. Y.
Ford, Dale	Butler, Pa.
Frankenberg, Martha	Baldwin, N. Y.
Freeland, Marie	Glen Rock, N. J.
Fuchs, Dennis	Hempstead, N. Y.
Galvin, Margaret	Willingboro, N. J.
Gilbert, Cheryl	Morristown, N. J.
Glaser, Terence	West New York, N. J.
Grable, Darrell	Washington, Pa.
Greve, Gretchen	Novelty, Ohio
Griffiths, Clairann	Geneva, Ohio
Grishkat, Paul	Pittsburgh, Pa.
Gunther, Susan	Garrison, N. Y.
Gutmann, Ronald	Forest Hills, N. Y.
Hall, Carol	Marion, Ind.
Halstead, Susan	Zionsville, Ind.
Hamovitz, Sharon	Pittsburgh, Pa.
Hanson, Thomas	Green Village, N. J.
Hartman, Robert	Painesville, Ohio
Hastings, Wayne	Prospect, Ohio
Hawkins, Debora	Westfield, N. J.
Haynes, Peggy	New Castle, Del.
Hefelfinger, Frances	Carlisle, Pa.
Herschdorfer, Eugene	Neuchatel, Switzerland
Hicks, April	Danbury, Conn.
Hicks, Jeffery	Birmingham, Mich.
Hillwig, Jack	McKeesport, Pa.
Hodgkinson, Geoffrey	Westport, Conn.
Hodil, Charles	Pittsburgh, Pa.
Hoffman, John	Natrona Heights, Pa.
Hoge, Roger	Floreffe, Pa.
Hollandsworth, Anna	Beckley, W. Va.
Hubbard, Beth	Middletown, Conn.
Hubbard, Judith	Buffalo, N. Y.

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Jensen, Cornelia	Springfield, Va.
Jerge, Roberta	Hagerstown, Md.
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Johnson, Ralph	Bridgeville, Pa.
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Jones, Marvin	Tiltonsville, Ohio
Jones, Pepper	Sherman, Conn.
Kalba, Joseph	Irvington, N. J.
Kaplan, David	Suffern, N. Y.
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Lenhart, Charles	Spencerport, N. Y.
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Lightholder, Pamela	Washington, Pa.
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Linsley, Patricia	Uniontown, Pa.
Lippincott, Jill	Glen Rock, N. J.
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Lofgren, Louise	Quincy, Mass.
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MacDonald, James	West Hartford, Conn.
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MacLean, Jacquelyn	Pittsburgh, Pa.
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Martinson, Terry	Brooklyn, N. Y.
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Masquelier, John	Mansfield, Ohio

Massol, Linda	Pittsburgh, Pa.
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Melrose, Douglas	Bethel Park, Pa.
Mercure, Ovide	Sturbridge, Mass.
Merrill, Sharon	Wickliffe, Ohio
Mielke, Wayne	Fanwood, N. J.
Miller, F. Phillip	Westfield, N. J.
Miller, Martha	Ambler, Pa.
Mintz, Richard	East Rockaway, N. Y.
Misko, Edwin	Clairton, Pa.
Mitchell, John	Glenshaw, Pa.
Modica, Charles	Brightwaters, N. Y.
Molden, J. Douglas	West Farmington, Ohio
Mollenauer, Joseph	Coraopolis, Pa.
Mooney, Kirk	East Aurora, N. Y.
Morgan, Emily	Chagrin Falls, Ohio
Mowl, Harold	Pittsburgh, Pa.
Mullen, John	Greensburg, Pa.
Mulligan, Douglas	Malverne, N. Y.
Murray, Thomas	Wheeling, W. Va.
Natemeyer, Walter	University Heights, Ohio
Nevitt, Michael	Akron, Ohio
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Newell, Donald	Oak Hill, W. Va.
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Nickel, Sara	Haworth, N. J.
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Richards, Lynn	Boonton, N. J.
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Weekly, Betty Jo	Bowerston, Ohio
Woods, Nina	Steubenville, Ohio
Wyckoff, Sandra	Steubenville, Ohio
Zorbini, Nancy	Rayland, Ohio

ACADEMIC YEAR

ENROLLMENT BY CLASSES

	Full Time		Part Time		Total
	Men	Women	Men	Women	
1965-1966					
Seniors	84	39	3	2	128
Juniors	113	53	1	2	169
Sophomores	160	94	—	1	255
Freshmen	194	148	—	—	342
Unclassified	10	6	7	55	78
Total	561	340	11	60	972

ENROLLMENT BY STATES AND FOREIGN COUNTRIES

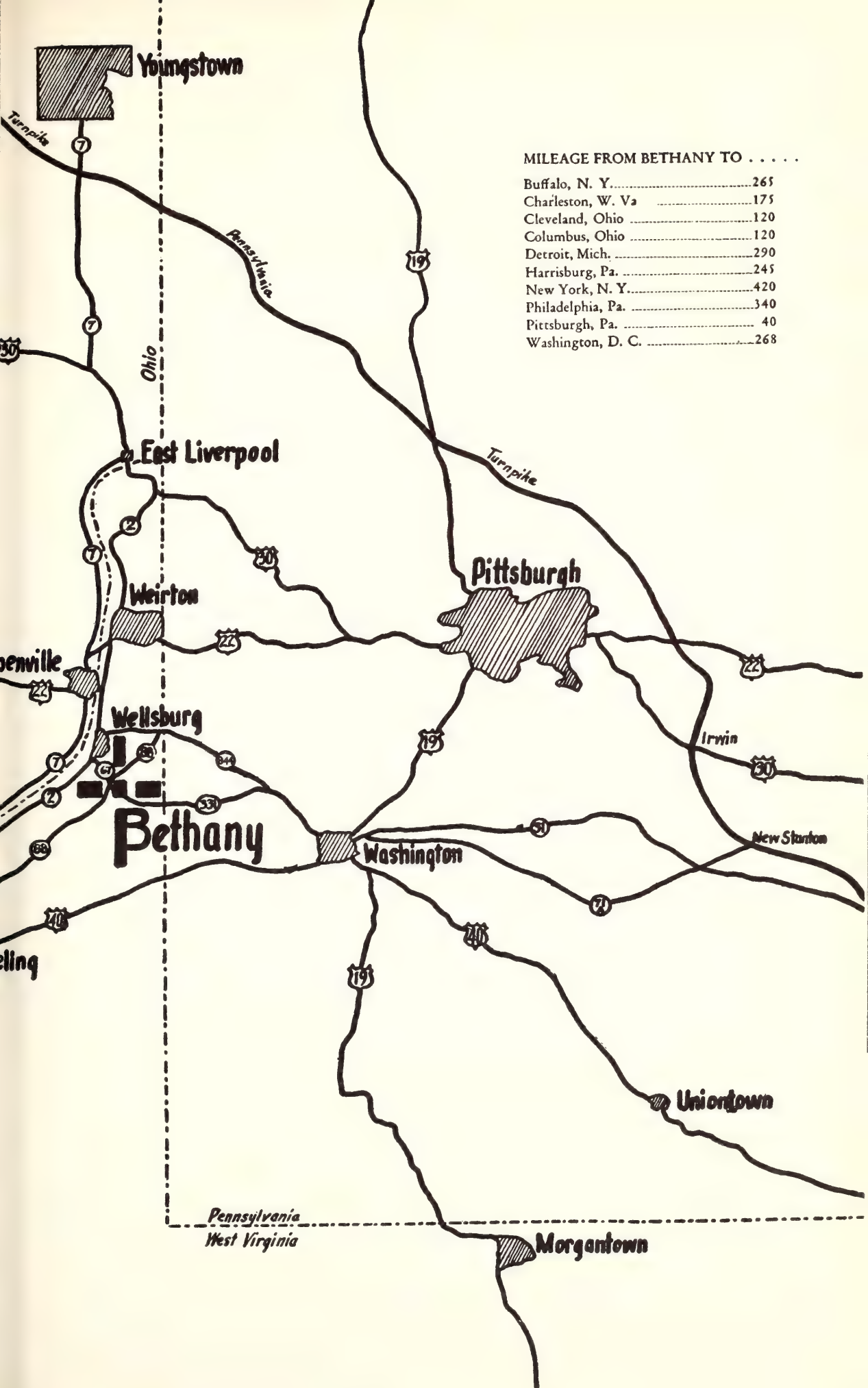
Alabama	2
ARGENTINA	1
California	3
CANADA	1
Connecticut	42
Delaware	5
ENGLAND	1
Florida	9
Georgia	1
GREECE	1
HONG KONG	1
Illinois	4
Indiana	15
IRAN	2
Maryland	17
Massachusetts	11
Michigan	5
Missouri	1
New Jersey	148
New York	119
North Carolina	1
Ohio	130
Pennsylvania	306
PUERTO RICO	1
Rhode Island	3
SPAIN	1
SWITZERLAND	2
Texas	3
Vermont	2
Virginia	9
Washington, D. C.	6
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Detroit, Mich.	290
Harrisburg, Pa.	245
New York, N. Y.	420
Philadelphia, Pa.	340
Pittsburgh, Pa.	40
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1967-1968

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BETHANY COLLEGE

Bethany, W. Va.

CATALOGUE NUMBER

1967-1968

THE ONE HUNDRED AND TWENTY-SEVENTH
ACADEMIC YEAR

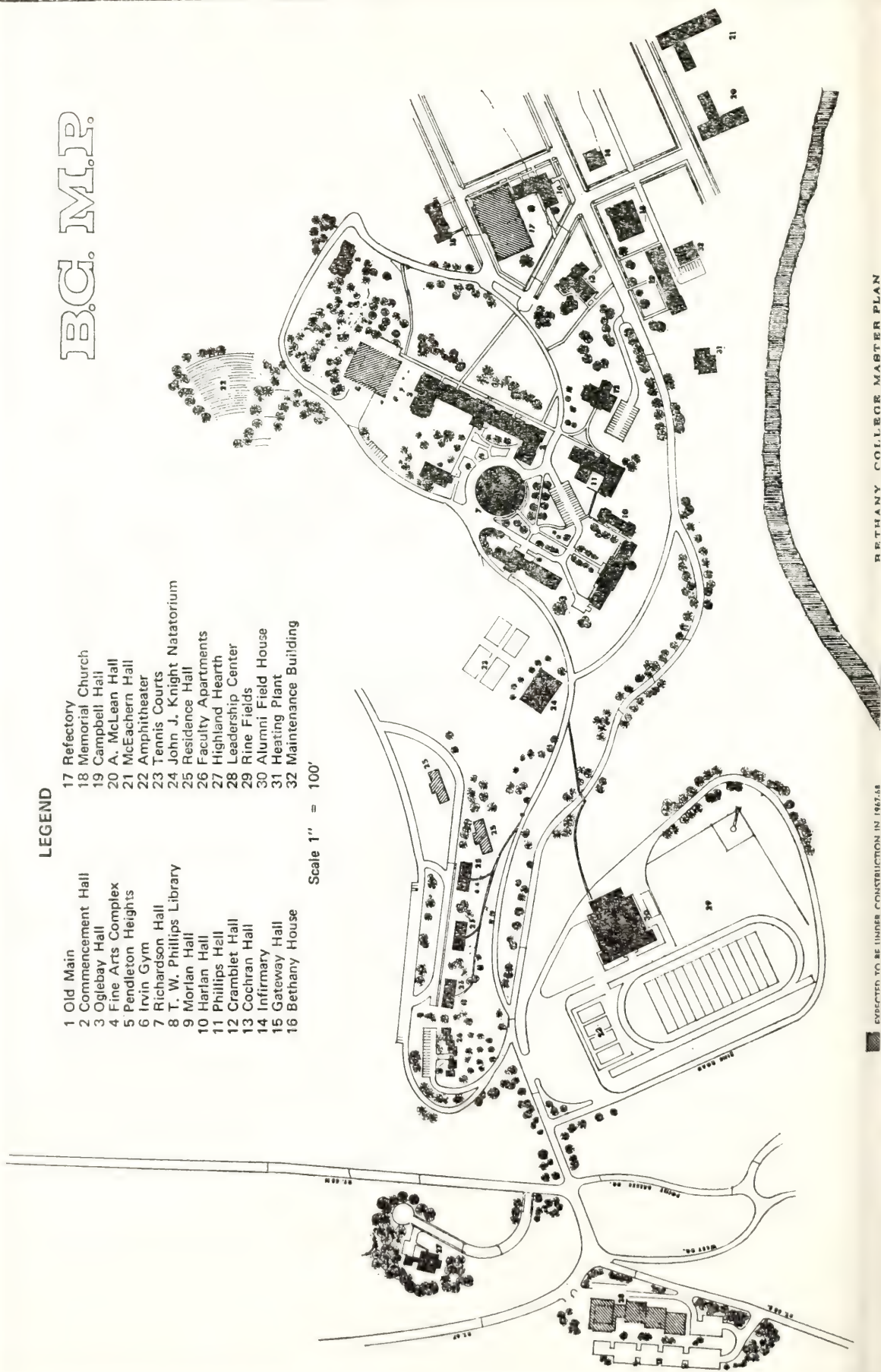
CHARTERED AS A COLLEGE
MARCH 2, 1840 BY THE ASSEMBLY OF VIRGINIA
BUFFALO SEMINARY INSTITUTE IN 1818

BC. M.P.

LEGEND

- | | |
|--------------------------|------------------------------|
| 1 Old Main | 17 Refectory |
| 2 Commencement Hall | 18 Memorial Church |
| 3 Oglebay Hall | 19 Campbell Hall |
| 4 Fine Arts Complex | 20 A. McLean Hall |
| 5 Pendleton Heights | 21 McEachern Hall |
| 6 Irvin Gym | 22 Amphitheater |
| 7 Richardson Hall | 23 Tennis Courts |
| 8 T. W. Phillips Library | 24 John J. Knight Natatorium |
| 9 Morlan Hall | 25 Residence Hall |
| 10 Harlan Hall | 26 Faculty Apartments |
| 11 Phillips Hall | 27 Highland Hearth |
| 12 Cramblet Hall | 28 Leadership Center |
| 13 Cochran Hall | 29 Rine Fields |
| 14 Infirmary | 30 Alumni Field House |
| 15 Gateway Hall | 31 Heating Plant |
| 16 Bethany House | 32 Maintenance Building |

Scale 1" = 100'



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CALENDAR

1967-1968

JUNE						
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COLLEGE CALENDAR FOR 1967-1968

FIRST SEMESTER

1967

Sept. 1-4	Friday-Monday	Orientation and evaluation for new students
Sept. 5	Tuesday	Freshman Registration and schedule adjustments
Sept. 6	Wednesday, 8 a.m.	Classes begin for all students
Sept. 14	Thursday	Formal Convocation
Sept. 16	Saturday	Last day for re-adjustment of schedule without academic penalty and last day to register for full class program (12 credit hours)
Oct. 14	Saturday	Parents Weekend
Oct. 20	Friday	Mid-semester grades are called
Oct. 21	Saturday	Homecoming
Nov. 13, 14, 15	Monday-Wednesday	Christian Living Emphasis Week
Nov. 22	Wednesday, 4 p.m.	Thanksgiving recess begins
Nov. 24	Friday, 8 a.m.	Thanksgiving recess ends
Nov. 28	Tuesday	Election to recognition societies
Dec. 2	Saturday	Modern Language Reading Test
Dec. 6	Wednesday	Graduate Record Examinations
Dec. 15	Friday	All College Christmas Party
Dec. 18-22	Monday-Friday	Final Examinations for First Semester

1968

JANUARY TERM

Jan. 4-25	Three week session	Special Projects
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SECOND SEMESTER

Jan. 22-26	Monday-Friday	Faculty and Departmental Seminars
Jan. 27-28	Saturday-Sunday	Registration and orientation for new students
Jan. 29	Monday	Classes begin for all students
Feb. 8	Thursday	Formal Convocation
Feb. 10	Saturday	Last day for re-adjustment of schedule without academic penalty and last day for registration for full class program (12 cr. hrs.)
Mar. 3-9	Sunday-Saturday	Fine Arts Festival
Mar. 7	Thursday	Founder's Day
Mar. 8	Friday	Election to recognition societies
Mar. 15	Friday, 5 p.m.	Mid-semester grades are called
Mar. 15	Friday, 5 p.m.	Spring recess begins
March 25	Monday, 8 a.m.	Spring recess ends
March 30	Saturday	Sophomore Comprehensive Examination (required of all Sophomores)
April 18	Thursday	Honors Day
April 20-May 11	Saturday-Sunday	Enrollment 1968-69
April 20	Saturday	Modern Language Reading Test
Apr. 22-23	Sunday-Tuesday	Ministers Workshop and Oreon E. Scott Lecture
April 26-27	Friday-Saturday	Political Science Seminar
May 3	Friday	Reading Period begins for Seniors
May 4	Saturday	May Morning Breakfast for College Women
May 10, 11, 12	Friday-Sunday	Spring Festival
May 12	Sunday	Mothers Day
May 13-18	Monday-Saturday	Senior Comprehensive Examinations
May 20-24	Monday-Friday	Final Examinations for Second Semester
May 23	Thursday	Faculty Meeting
May 24	Friday	Annual Meeting of Board of Trustees
May 25	Saturday	Alumni Day and 127th Annual Commencement

COLLEGE CALENDAR FOR 1968-1969

FIRST SEMESTER

1968

Aug. 30-Sept. 2	Friday-Monday	Orientation and evaluation for new students
Sept. 3	Tuesday	Freshman Registration and schedule adjustments
Sept. 4	Wednesday, 8 a.m.	Classes begin for all students
Sept. 12	Thursday	Formal Convocation
Sept. 14	Saturday	Last day for re-adjustment of schedule without academic penalty and last day to register for full class program (12 cr. hrs.)
Oct. 5	Saturday	Parents weekend
Oct. 18	Friday	Mid-semester grades are called
Oct. 19	Saturday	Homecoming
Nov. 11, 12, 13	Monday-Wednesday	Christian Living Emphasis Week
Nov. 20	Wednesday, 4 p.m.	Thanksgiving recess begins
Nov. 22	Friday, 8 a.m.	Thanksgiving recess ends
Nov. 26	Tuesday	Election to recognition societies
Nov. 30	Saturday	Modern Language Reading Test
Dec. 7	Saturday	Graduate Record Examinations
Dec. 13	Friday	All College Christmas Party
Dec. 16-20	Monday-Friday	Final Examinations for First Semester

1969

JANUARY TERM

Jan. 3-24	Three week session	Special Projects
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SECOND SEMESTER

Jan. 20-24	Monday-Friday	Faculty and Departmental Seminars
Jan. 25-26	Saturday-Sunday	Registration and orientation for new students
Jan. 27	Monday, 8 a.m.	Classes begin for all students
Feb. 6	Thursday	Formal Convocation
Feb. 8	Saturday	Last day for re-adjustment of schedule without academic penalty and last day for registration for full class program (12 cr. hrs.)

Mar. 2-8	Sunday-Saturday	Fine Arts Festival
Mar. 6	Thursday	Founder's Day
Mar. 7	Friday	Election to recognition societies
Mar. 14	Friday, 5 p.m.	Mid-semester grades are called
Mar. 14	Friday, 5 p.m.	Spring recess begins
Mar. 24	Monday, 8 a.m.	Spring recess ends
Mar. 29	Saturday	Sophomore Comprehensive Examination (required of all Sophomores)
Apr. 14-15	Monday-Tuesday	Ministers Workshop & Oreon E. Scott Lecture
Apr. 17	Thursday	Honors Day
Apr. 19	Saturday	Modern Language Reading Test
Apr. 21-26	Monday-Saturday	Enrollment 1969-1970
Apr. 25-26	Friday-Saturday	Political Science Seminar
May 2	Friday	Reading Period begins for Seniors
May 3	Saturday	May Morning Breakfast for College Women
May 9, 10, 11	Friday-Sunday	Spring Festival
May 11	Sunday	Mothers Day
May 12-17	Monday-Saturday	Senior Comprehensive Examinations
May 19-23	Monday-Friday	Final Examinations for Second Semester
May 22	Thursday	Faculty Meeting
May 23	Friday	Annual Meeting of Board of Trustees
May 24	Saturday	Alumni Day & 128th Annual Commencement

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THE COLLEGE

BOARD OF TRUSTEES

OFFICERS OF THE BOARD

MAYNARD L. PATTON, *Chairman*
PERRY E. GRESHAM, *President*
WARNER G. PETERSON, *Treasurer*
CHARLES D. BELL, *Secretary*

MEMBERS OF THE BOARD

TERM EXPIRES JUNE, 1968

ROY S. ADKINS North American Cement Corporation,
330 Madison Ave., New York, New York
CHARLES D. BELL 67 7th Street, Wellsburg, West Virginia
A. DALE FIERs Ex. Secy., Int. Con. Chr. Churches, Disciples of Christ
P.O. Box 19136, Indianapolis, Indiana
HAMILTON C. FORMAN 1524 Coral Ridge Drive, Fort Lauderdale, Fla.
C. ALLEN HARLAN Harlan Electric Company, 2400 Telegraph Road,
Southfield, Michigan
KARL B. LUTZ 1706 First National Bank Building,
Pittsburgh, Pennsylvania
MAYNARD L. PATTON 35 Cliffview Avenue, Fort Thomas, Kentucky
DR. R. R. RENNER 1259 Oakridge, Cleveland Heights, Ohio
MRS. A. E. WRIGHT, SR. 76 Ben Lomond Street, Uniontown,
Pennsylvania

TERM EXPIRES JUNE, 1969

CARL W. CLAYTON 3728 Ashworth Drive, Cincinnati, Ohio
JOHN E. COSTELLO 418 Washington Avenue, Charleroi, Pennsylvania
MERRITT J. DAVIS 200 Sycamore Street, Wellsburg, West Virginia
ROBERT D. HURL 56 Harriette Drive, Shelby, Ohio
MICHAEL J. KASARDA Farmers and Merchants National Bank Building,
Bellaire, Ohio
JUNIUS T. MOORE P. O. Box 753, Charleston, West Virginia
MALCOLM W. RUSH, SR. 3096 Orchard Road, Cuyahoga Falls, Ohio
FRANK L. WIEGAND, JR. 855 Academy Place, Pittsburgh, Pennsylvania
DR. A. H. WILSON 27 Glenwood Circle, Wilmington, Ohio
AUSTIN V. WOOD Wheeling News Publishing Company,
1500 Main Street, Wheeling, West Virginia

TERM EXPIRES JUNE, 1970

GEORGE J. BARTHOLD Miners and Mechanics Savings and Trust Co.,
132 N. 4th Street, Steubenville, Ohio
COURTNEY BURTON Hanna Building, Cleveland, Ohio
PHILIP K. HERR Pittsburgh National Bank, P. O. Box 340777
Pittsburgh, Pennsylvania
MISS PEARL MAHAFFEY Bethany, West Virginia
CHARLES H. MANION 1222 Pleasant Avenue, Wellsburg, West Virginia
DR. J. PARK McMULLEN .. 700 Charles Street, Wellsburg, West Virginia
CHARLES E. PALMER Peoples Union Bank and Trust Company
301 Fifth Avenue, McKeesport, Pennsylvania
WILLIAM F. PORTER The Globe Brick Company, P. O. Box 765,
East Liverpool, Ohio
HOLLIS L. TURLEY Pension Fund of Disciples of Christ
800 Test Building, Indianapolis 4, Indiana

FACULTY REPRESENTATIVE TO THE BOARD

PROFESSOR ROBERT G. GOIN (June 1968) Bethany, West Virginia

COMMITTEES OF THE BOARD OF TRUSTEES

EXECUTIVE (Elected)

Charles H. Manion, Chairman; Carl W. Clayton, Merritt J. Davis, A. Dale Fiers, C. Allen Harlan, Robert D. Hurl, Michael J. Kasarda, J. Park McMullen, C. E. Palmer, Maynard L. Patton, Frank L. Wiegand.

FINANCE, BUDGET AND AUDIT (Elected by Executive Committee)

J. Park McMullen, Chairman; Merritt J. Davis, Charles H. Manion, (Charles D. Bell, Ex-Officio).

INVESTMENT (Elected)

C. E. Palmer, Chairman; Philip K. Herr, Charles H. Manion, Frank L. Wiegand, (W. G. Peterson, Ex-Officio).

BUILDINGS AND GROUNDS

Merritt J. Davis, Chairman; Carl W. Clayton, Robert D. Hurl, Michael J. Kasarda, Charles H. Manion.

CHURCH RELATIONS

Hollis L. Turley, Chairman; George J. Barthold, Hamilton C. Forman, Frank L. Wiegand, Albert H. Wilson, Pearl Mahaffey.

NOMINATING

Charles D. Bell, Chairman; J. Park McMullen, Maynard L. Patton, R. R. Renner, A. Dale Fiers.

STUDENT-FACULTY-ALUMNI RELATIONS

Michael J. Kasarda, Chairman; A. Dale Fiers, Pearl Mahaffey, C. E. Palmer, John E. Costello, William F. Porter.

PUBLIC RELATIONS

Karl B. Lutz, Chairman; Austin V. Wood, Malcolm W. Rush.

DEVELOPMENT CAMPAIGN COMMITTEES

DEVELOPMENT FUND: C. Allen Harlan, Chairman; Roy S. Adkins, Courtney Burton, Carl W. Clayton, Philip K. Herr, Malcolm W. Rush, J. Park McMullen, Maynard L. Patton.

WILLS AND ANNUITIES: Richard R. Renner, Chairman; John E. Costello, Hollis L. Turley, Frank L. Wiegand, Mrs. A. E. Wright.

NATIONAL BOARD OF FELLOWS

THOMAS E. MILLSOP, *Chairman*
DRAPER ALLEN, Detroit, Michigan
MONE ANATHAN, Jr., Steubenville, Ohio
JOHN F. BAXTER, Gainesville, Florida
LOUIS BERKMAN, Steubenville, Ohio
THOMAS M. BLOCH, Wheeling, West Virginia
J. CALEB BOGGS, Washington, D. C.
A. R. BONE, Jr., Los Angeles, California
COURTNEY BURTON, Cleveland, Ohio
JAMES COMSTOCK, Richwood, West Virginia
ALBERT V. DIX, Martins Ferry, Ohio
ARTHUR EICHELKRAUT, Wheeling, West Virginia
ROBERT W. FERGUSON, Wheeling, West Virginia
SIDNEY S. GOOD, Jr., Wheeling, West Virginia
ROBERT F. HANNUM, Moundsville, West Virginia
DELMAR S. HARDER, Detroit, Michigan
BROOKS HAYS, Washington, D.C.
WAYNE HAYS, Washington, D.C.
ROBERT HAZLETT, Wheeling, West Virginia
FRANCIS W. HIBLER, Chicago, Illinois
ARTHUR S. HOLDEN, Painesville, Ohio
DAVID B. HOLDEN, Wheeling, West Virginia
GORDON HUTCHINSON, Wheeling, West Virginia
WILBUR S. JONES, Wheeling, West Virginia
ARTHUR J. KOBACKER, McKees Rocks, Pennsylvania
T. W. LIPPERT, New York, New York
LAWRENCE LITCHFIELD, JR., Pittsburgh Pennsylvania
WILLIAM J. MAIER, Charleston, West Virginia
A. F. MARSHALL, Jr., Wheeling, West Virginia
MERIL A. MAY, Garrettsville, Ohio
CECIL G. McVAY, Fairmont, West Virginia
THOMAS E. MILLSOP, Weirton, West Virginia
WILLIAM MONTAGNA, Beaverton, Oregon
ARCH A. MOORE, Jr., Washington, D.C.
ROBERT MORRIS, Wheeling, West Virginia
C. WILLIAM O'NEILL, Columbus, Ohio
JAMES O. PEARSON, Wheeling, West Virginia
JOHN PHILLIPS, Wheeling, West Virginia
HAYES PICKLESIMER, Charleston, West Virginia
WILLIAM F. PORTER, East Liverpool, Ohio
FRANK B. RACKLEY, Washington, D.C.
JENNINGS RANDOLPH, Washington, D.C.
A. WILLIS ROBERTSON, Washington, D.C.
ARCHIBALD H. ROWAN, Sylvania, Georgia
W. ARTHUR RUSH, Burbank, California
ARTHUR SCOTT, Wheeling, West Virginia
RAYMOND K. SHELINE, Tallahassee, Florida
ELVIS STAHR, JR., Bloomington, Indiana
ELEANOR STEBER, New York, New York
GEORGE STEVENSON, Parkersburg, West Virginia
GEORGE M. SUTTON, Norman, Oklahoma
CAMPBELL H. WATSON, San Clemente, California
ROBERT C. WETENHALL, New York, New York
BROOKS WIGGINTON, Wheeling, West Virginia
C. E. WOLF, New Martinsville, West Virginia

OFFICERS OF ADMINISTRATION

OFFICE OF THE PRESIDENT

PERRY EPLER GRESHAM	<i>President</i>
JAMES W. CARTY, JR., ...	<i>Director of Public Relations and Publications</i>
JOHN GERALD PATTERSON	<i>Director of Development</i>
MEREDITH NORMENT ...	<i>Director of Alumni Relations and Deferred Giving</i>
FARRELL D. WALTERS	<i>Director of Church Relations and Ministerial Training</i>

OFFICE OF THE EXECUTIVE VICE-PRESIDENT

WARNER G. PETERSON	<i>Executive Vice-President</i>
JOHN GRAHAM	<i>Acting Business Manager</i>
THEODORE BUNNELL	<i>Assistant to Business Manager</i>
GLENN COX	<i>Superintendent of Buildings and Grounds</i>
CARMAN ALLEN	<i>Assistant Superintendent of Buildings and Grounds</i>
LYNN E. QUEEN	<i>Supervisor Data Processing</i>
LOIS J. COX	<i>Accountant</i>
PAUL E. WHITE	<i>Manager of College Stores</i>
JAMES GRIBBEN	<i>Chief Engineer</i>
CHARLES SANBORN	<i>Manager of Food Service</i>
RUTH B. MARTIN (MRS)	<i>Cashier</i>

OFFICE OF THE DEAN OF THE FACULTY

JOHN R. SALA	<i>Dean of the Faculty</i>
JOSEPH M. KUREY	<i>Assistant Dean of the Faculty</i>
JOHN J. CLOPINE	<i>Director of the Library</i>
MARJORIE E. CLOPINE (MRS.)	<i>Associate Librarian</i>
LUTA M. GORDON	<i>Registrar</i>
HELEN YOUNG CROSS (MRS.)	<i>Assistant to the Registrar</i>

OFFICE OF THE DEAN OF STUDENTS AND ADMISSION

ROBERT A. SANDERCOX	<i>Dean of Students</i>
DARLINE B. NICHOLSON	<i>Dean of Women</i>
JOHN S. CUNNINGHAM	<i>Assistant Dean of Students</i>
WALTER M. BORTZ	<i>Assistant to the Dean of Students</i>
STEPHEN Z. MONHEIM	<i>Acting Director of Admission</i>
PETER R. WEBER	<i>Admission Counselor</i>
ALLYN KISTLER	<i>Admission Counselor</i>
DIANE E. PRITCHARD	<i>Admission Counselor</i>
BASIL P. PAPADIMITRIOUS, M.D.	<i>College Physician</i>
THOMAS L. RITZ, M.D.	<i>College Physician</i>
CATHERINE SPRINGER, R.N.	<i>Supervisor of Infirmary</i>
BETTY FOSTER, R.N.	<i>College Nurse</i>

FACULTY OF INSTRUCTION

PERRY EPLER GRESHAM, *President of the College on the M. M. Cochran Foundation.* (1953).

A.B., B.D., Texas Christian University; LL.D., Texas Christian University; Litt.D., Culver Stockton College; L.H.D., Chapman College; Ed.D., Transylvania College; University of Chicago; Columbia University; Litt.D., University of Cincinnati; Ed.D., Findlay College.

WARNER G. PETERSON, *Executive Vice-President.* (1952).

A.B., Allegheny College; Ohio State University. LL.D., Findlay College.

JOHN R. SALA, *Dean of the Faculty.* (1965).

A.B., Bethany College; M.A. West Virginia University; Ph.D., University of Chicago; University of Missouri; Union Theological Seminary.

PEARL MAHAFFEY, *Professor of Foreign Languages Emeritus.* (1908-1949).

A.B., Miami University; A.M., Columbia University; Litt.D., Bethany College; McGill University; University of Paris; National University of Mexico.

ANDREW LEITCH, *Sarah B. Cochran Professor of Psychology Emeritus.* (1920-1956).

A.B., A.M., Butler College; B.D., Ph.D., Yale University; D.D. Butler University; Columbia University; University of Chicago; University of Pennsylvania; Harvard University.

*HARRY LAWRENCE ICE, *Director of Ministerial Training and Professor of Religion Emeritus.* (1944-1954).

A.B., A.M., Bethany College; Ph.D., George Washington University; D.D., Bethany College.

DANIEL SOMMER ROBINSON, *Professor of Philosophy Emeritus.* (1954-1958).

A.B., Butler College; A.M., Yale University; Ph.D., Harvard University; Litt.D., Marietta College; University of Breslau.

MARGARET ROBERTS WOODS, *Associate Professor of Foreign Languages Emeritus.* (1943-1961).

A.B., Wellesley College; A.M., Pennsylvania State University; Middlebury College; Columbia University; Colorado College; University of Besancon; University of San Luis Potosi.

WINIFRED WEBSTER (MRS.), *Dean of Women and Instructor in English Emeritus.* (1952-1960).

A.B., University of North Dakota; A.M., Columbia University.

WILBUR HAVERFIELD CRAMBLET, *Distinguished Service Professor of Mathematics.* (1917).

A.B., A.M., Bethany College; A.M. Ph.D., Yale University; LL.D., University of Pittsburgh; D.D., Drake University; LL.D., Culver-Stockton College; Litt.D., Texas Christian University.

BERNAL ROBINSON WEIMER, *Distinguished Professor of Biology.* (1921).

A.B., A.M., West Virginia University; Ph.D., University of Chicago.

*Deceased 1967

- JOHN J. KNIGHT, *Professor of Physical Education and Chairman of the Department.* (1930).
A.B., West Virginia Wesleyan College; A.M., Ohio State University; University of Michigan.
- BENJAMIN CHANDLER SHAW, *George T. Oliver Distinguished Professor of History and Political Science* (1935).
A.B., Rollins College; A.M., Ph.D., University of North Carolina; American Academy in Rome; Royal University, Perugia, Italy.
- EARL D. MCKENZIE, *Professor of Foreign Languages and Chairman of the Department.* (1937).
A.B., Brown University; A.M., Columbia University; M. Litt., Ph.D., University of Pittsburgh; University of Frankfurt am Main; Yale University; University of Paris.
- *HELEN LOUISE MCGUFFIE, *Professor of English and Chairman of the Department.* (1947).
A.B., Bethany College; A.M., University of Pittsburgh; Ph.D. Columbia University.
- JOHN DANIEL DRAPER, *Professor of Chemistry and Chairman of the Department.* (1951).
B.S., Franklin and Marshall College; Ph.D., University of Maryland; Michigan State University.
- ROBERT ASHER PRESTON, *Professor of Religion and Chairman of the Department.* (1955).
A.B., Texas Christian University; A.M., University of Chicago; Ph.D., University of Pittsburgh; Washburn University; Menninger School of Psychiatry; Yale University.
- WILBERT SCOTT RAY, *Professor of Psychology and Chairman of the Department.* (1956).
A.B., Washington and Jefferson College; A.M., Ph.D., University of Wisconsin.
- JAMES W. CARTY, JR., *Professor of Journalism and Director of Public Relations and Publications.* (1959).
A.B., Culver-Stockton; B.D., University of Chicago; M.S., Northwestern University; University of Oklahoma; George Peabody College; Scarritt College; Saltillo (Mexico) State Teachers College; Diploma from National University of Nicaragua.
- JOHN A. SPENCE, *Professor of Education and Chairman of the Department, Director of the Summer School.* (1961).
B.S., in Ed., M.A., Ph.D., Ohio State University.
- HSIOH-REN WEI, *Professor of Physics and Chairman of the Department.* (1963).
B.A., University of Nanking; Ph.D., University of Chicago.
- H. DONALD DAWSON, *Professor of Chemistry* (1963).
B.S., Denison University; M.Sc., Ph.D., Ohio State University.
- BRADFORD TYE, *Associate Professor of Mathematics and Chairman of the Department.* (1943).
B.S., Alma White College; M.S., New York University; Rutgers University; Columbia University; University of Pittsburgh.
- GEORGE K. HAUPTFUEHRER, *Associate Professor of Music and Chairman of the Department.* (1945).
A.B., B.M., Friends University; A.M., University of Kansas; Pittsburgh Musical Institute; Juilliard School of Music; Indiana University.

*Sabbatical Leave

- S. ELIZABETH REED, *Associate Professor of Physical Education*. (1945).
A.B., Muskingum College; M.Ed., University of Pittsburgh; University of Wisconsin; New York University; University of Wyoming; University of Southern California; University of Michigan.
- WILLIAM LEWIS YOUNG, *Associate Professor of History and Political Science, and Chairman of the Department*. (1950).
A.B., Bethany College; A.M., Ohio State University; Columbia University.
- MARGARET MATHISON, *Associate Professor of Education*. (1951).
A.B., M.Litt., University of Pittsburgh; University of Southern California; Pennsylvania State University; Ohio State University.
- JOHN RAYMOND TAYLOR, *Associate Professor of English and Acting Chairman of the Department*. (1955).
A.B., Bethany College; M.A., Princeton University; University of Akron; University of Kansas; University of Birmingham, England; University of Edinburgh.
- ROBERT H. SYKES, *Associate Professor of English*. (1956).
A.B., West Liberty State College; M.A., University of Pennsylvania; Ph.D., University of Pittsburgh.
- SHIRLEY GADDIS, *Associate Professor of Chemistry*. (1959).
A.B., M.S., University of Iowa; Ph.D., University of Missouri; University of Chicago; University of Illinois; Columbia University.
- BARRIE RICHARDSON, *Associate Professor of Economics and Chairman of the Department; Assistant Dean of the Faculty*. (1962).
B.A., Carleton College; M.B.A., D.B.A., Indiana University; University of Colorado.
- CARL L. SCHWEINFURTH, *Associate Professor of History and Political Science and Director of International Education Program*. (1964).
B.S., University of Oregon; M.A., University of Florida; Ph.D., Southern Illinois University.
- GARY E. LARSON, *Associate Professor of Biology and Chairman of the Department*. (1964).
B.S., M.S., New York State University, Albany; Ph.D., Rutgers University; Albany Medical College.
- WILLIAM R. CLARK, *Associate Professor of Chemistry*. (1967).
B.S. Haverford College; M.A., Indiana University; Ph.D., Georgetown University; Rutgers University.
- ARTHUR R. KIRKPATRICK, *Associate Professor of History and Political Science*. (1967).
A.A., Trenton Junior College; B.S.Ed. NE Missouri State Teachers College; M.A., Ph.D., University of Missouri.
- KENT K. McALEXANDER, *Assistant Professor of Art*. (1959).
A.B., B.F.A., Washburn University; M.A., Ohio State University; University of Kansas; John Herron Art Institute; Carnegie Institute.
- ROBERT GARNER GOIN, *Assistant Professor of Physical Education and Assistant Chairman of the Department*. (1960).
A.B., Bethany College; M.S., West Virginia University.
- JOHN J. CLOPINE, *Assistant Professor of Library Science and Director of the Library*. (1963).
A.B., Bethany College; M.S. in L.S., Catholic University of America.
- ROBERT EDWARD MYERS, *Assistant Professor of Philosophy*. (1964).
A.B., Bethany College; B.D., Texas Christian University; Ph.D. Ohio State University.

- RICHARD BRUCE KENNEY, *Assistant Professor of Religion*. (1964).
A.B., Washington University; B.D., Yale University; M.A., Yale University; Basel University; McGill University.
- JAMES EDWARD ALLISON, *Assistant Professor of Mathematics*. (1964).
B.S., Bethany College; M.A., West Virginia University.
- PAUL ROGER ERRINGTON, *Assistant Professor of Physics*. (1965).
M.S., Ph.D., West Virginia University.
- HIRAM J. LESTER, *Assistant Professor of Religion*. (1965).
A.B., B.D., Phillips University; M.A., Yale University; Johnson Bible College.
- JOHN U. DAVIS, *Assistant Professor of Education*. (1966).
A.B., Bethany College; M.A., Columbia University; Ed.D., Columbia University.
- JAMES J. SAWTELL, *Assistant Professor of Biology*. (1966).
B.A., Lake Forest College; M.A., Western Michigan University; Rutgers, The State University.
- JACK WELCH, *Assistant Professor of English*. (1966).
B.A., West Virginia University; M.A., University of Iowa.
- LOWELL N. YOUNGREN, *Assistant Professor of Art and Acting Chairman of the Department*. (1967).
B.A., Knox College; M.A., M.F.A., State University of Iowa; Harvard University; Boston University.
- ANTHONY L. MITCH, *Assistant Professor of English*. (1967).
A.B., Cornell University; M.A., St. John's University; New York University.
- ALVIN FOOTE, *Assistant Professor of English*. (1967).
A.B., M.A., Colorado College; Tulane University.
- SUSAN WORTHEN HANNA, (MRS.), *Instructor in Health and Physical Education*. (1957).
A.B., Bethany College; Marjorie Webster School of Physical Education.
- ALBERT R. DEVAUL, *Instructor in Music*. (1964).
A.B., West Liberty State College; M.M. West Virginia University.
- HERBERT L. DRINNON, *Instructor in Dramatics*. (1964).
B.A., Berea College; M.A., University of North Carolina.
- JOHN WILLIAM LOZIER, *Instructor in History*. (1964).
A.B., University of Colorado; A.M., Ohio State University.
- THOMAS A. GRALL, *Instructor in Physical Education*. (1964).
B.S., Springfield College; Westfield State College.
- JOHN D. DAVIS, *Instructor in Economics*. (1955).
A.B., American International College; A.M., University of Connecticut.
- MARJORIE TUFTS CARTY, (MRS.), *Instructor in Foreign Languages*. (1965).
Ph.B., University of Chicago; Clark University, State Teachers College, Saltillo, Mexico; University of Nicaragua; Bethany College.
- ROBERT E. SHOUP, *Instructor in Sociology*. (1965).
A.B., Juniata College; B.D., United Seminary; A.M., Temple University; University of Pittsburgh.
- SUE FREDERICH ERRINGTON (MRS.), *Instructor in Foreign Languages*. (1965).
A.B., Indiana University; A.M., University of Michigan.
- THEODORE K. KIMPTON, *Instructor in Foreign Languages*. (1965).
B.S., United States Military Academy; A.M., University of Maryland; Catholic University.

- THOMAS L. ACKERMAN, *Instructor in Physical Education*. (1966).
B.A., West Liberty State College.
- W. RANDOLPH COOEY, *Instructor in Economics*. (1966).
B.A., Bethany College; M.A., West Virginia University.
- DAVID LYNN HOBE, *Instructor in Journalism and Editorial Associate in Public Relations*. (1966).
B.A., Bethany College; M.A., West Virginia University.
- ANDREW MOSKOVITS, *Instructor in Foreign Languages*. (1966).
B.A., Kent State University; M.A., M.S.L.S., Kent State University.
- WILLIAM G. LOVELADY, *Instructor in Speech*. (1966).
B.A., Cornell University; M.A., Cornell University.
- JOHN F. CAMP, *Instructor in Foreign Languages* (1967).
B.A., Oglethorpe University, The Citadel, University of Georgia, University of Paris, University of Chicago.
- TIMOTHY E. JOHNSON, *Instructor in Economics*. (1967).
B.A., North Park College; M.B.A., University of Akron.
- DAVID J. JUDY, *Instructor in English*. (1967).
B.A., Denison University; M.A., Western Reserve; University of Mexico.
- MICKAY MILLER, *Instructor in Psychology*. (1967).
B.S., West Virginia University; M.S., University of North Carolina.
- FRANCIS D. MULCAHY, *Instructor in Sociology*. (1967).
B.A., M.A., University of Massachusetts
- JOHN S. PERRINE, II, *Instructor in Mathematics*. (1967).
B.A., M.A., West Virginia University.
- DALE H. PORTER, *Instructor in History*. (1967).
B.A., Western Michigan University; M.A., Stanford University; University of Allahabad, India; Ph.D., University of Oregon; University of London.
- HUGH S. RIPPS, *Instructor in Mathematics*. (1967).
B.S., Bethany College; M.A., The University of Toledo.
- CHARLOTTE J. SNODGRASS, *Instructor in Biology*. (1967).
B.S., M.S., West Virginia University.
- DONALD W. TERWILLIGER, *Instructor in Physics*. (1967).
B.S., California Institute of Technology; M.S., University of Oregon.
- RICHARD M. THACKRAY, JR., *Instructor in Psychology*. (1967).
B.S., M.S., Villanova University.
- WESLEY J. WAGNER, *Instructor in Art*. (1967).
Pennsylvania Academy of the Fine Arts; Barnes Foundation.

DISTINGUISHED LECTURERS AND CONSULTANTS

- C. WILLIAM O'NEILL, *Distinguished Lecturer in Public Affairs*. (1959).
A.B., Marietta College; LL.B., Ohio State; LL.D., Defiance College; LL.D., Ohio University; LL.D., Miami University (Ohio); LL.D., College of Steubenville; LL.D., West Virginia University; L.H.D., Marietta College; LL.D., Heidelberg College; LL.D., Wilberforce University.
- DON GILLIS, *Consultant in Music*. (1963).
A.B., B.Mus., Dr. Mus., Texas Christian University; M.Mus., North Texas Teachers College.

OLIVER MANNING, *Artist in Residence in the Department of Music*. (1961).
B.M., Louisiana State University; M.M., Cincinnati College—Conservatory of Music.

RICHARD B. SAFRAN, *Rabbi at Temple Beth El, Steubenville, Ohio*. (1967).
B.A., Brooklyn College; M.A., Hebrew Union College, Jewish Institute of Religion.

ADJUNCT FACULTY

WILMA M. SHANER, (MRS.), *Part-time Instructor in Biology*. (1950).
A.B., Bethany College.

HELEN WILSON KNIGHT, (MRS.), *Assistant to the Librarian*. (1957).
A.B., Ohio Wesleyan University.

HELEN PIERCE ELBIN, (MRS.), *Part-time Instructor in Music*. (1962).
A.B., Bethany College.

VAUNDA S. LARSON (MRS.), *Part-time Instructor in Biology*. (1966).
B.S., M.S., New York State University, Albany.

NINA GOEHRING MCGOWAN (MRS.), *Part-time Instructor in Music*. (1966).
B.M., M.M., University of Michigan.

MARGARET BOYD, *Lecturer in Education*. (1966).
A.B., Mount Union College; M.A., Ohio State University; Columbia University; University of Pittsburgh; Kent State University; Miami University.

DAVID R. CARTWRIGHT, *Chaplain*. (1967).
B.A., Washington University; B.D., Yale University Divinity School.

MARJORIE S. CLOPINE (MRS.), *Associate Librarian*. (1967).
B.A., Pennsylvania State; B.S., Drexel Institute; M.S., Columbia University, University of Chicago; University of Pennsylvania.

COMMITTEES OF FACULTY AND STAFF

1967-68

ACADEMIC REVIEW

Mr. Sala, Chairman; Miss Gordon, Mr. Sandercox, Mr. Preston,
Mr. Myers, Mr. J. D. Davis, Mr. Monheim, Miss Nicholson.

ADMISSION

Mr. Wei, Chairman; Miss Gordon, Mr. Sandercox, Mr. Monheim,
Mr. Sykes, Mr. Kenney, Mr. Errington.

ART COLLECTION

Mr. Clopine, Chairman; Mr. McAlexander, Mr. Young, Mr. Taylor,
Mr. Kenney, Mr. Hauptfuehrer.

ATHLETICS AND PHYSICAL EDUCATION

Mr. Peterson, Chairman; Mr. Knight, Miss Reed, Mr. Kurey, Mr.
Goin. Student Members: Kathleen Giles, James Runk.

CULTURAL ACTIVITIES

Mr. Clopine, Chairman; Mr. Sala, Mr. Preston, Mr. Hauptfuehrer,
Mr. Schweinfurth, Mr. Sandercox. Student members: Bruce Dersch,
Donald Reed, Howard Gendell, Sandra Falconer, Lynne Schiele.

CURRICULUM

Mr. Sala, Chairman; Mr. Preston, Mr. Draper, Mr. Ray, Mr. J. U.
Davis, Mr. Welch.

FACULTY WELFARE AND SECURITY

(3 years) Mr. Young, Mr. Grall; (2 years) Mr. Hauptfuehrer, Mr.
Sykes; (1 year) Mr. Ray, Miss Mathison.

INTERNATIONAL EDUCATION

Mr. Sala, Chairman; Mr. Sandercox, Miss Gordon, Mr. Wei, Mr. Schweinfurth, Miss Mathison, Mr. Lovelady. Student member: Amos Acree.

GANS AWARDS

Mr. Weimer, Chairman; Mr. Draper, Mr. Wei, Mr. Tye, Mr. Larson.

HONORS

Mr. McKenzie, Chairman; Mr. Draper, Mr. Sandercox, Mr. Myers, Mr. Weimer, Mr. Kenney, Mr. Taylor.

HONORS PROGRAM ADVISORY

Mr. Sala, Chairman; Mr. Taylor, Mr. McKenzie, Mr. Larson, Mr. Young.

LIBRARY

Mr. Sala, Chairman; Mr. Spence, Mr. Clopine, Mr. Schweinfurth, Mr. Allison, Mr. Gaddis, Mr. Graham. Student members: Robert Smith, Joan Belfour.

MINISTERIAL TRAINING

Mr. Preston, Chairman; Mr. Walters, Mr. Kenney, Mr. Wei.

RELIGIOUS LIFE

Mr. Preston, Chairman; Mr. Myers, Mr. Taylor, Mr. Sandercox, Mrs. Carty, Mr. Cartwright. Student members: James St. Clair, Diane Rodefer.

SCHEDULE COMMITTEE

Mr. Sala, Chairman; Mr. McKenzie, Mr. Taylor, Mr. Preston, Dean of Students, Business Manager, Registrar. Student members: Michael Ewing, Robert Van Saun, Andrew Vettel, John Wiehn.

SCHOLARSHIPS AND FINANCIAL AIDS

Mr. Sandercox, Chairman; Mr. Peterson, Mr. Sala, Mr. Walters, Mr. Graham, Mr. Allison, Miss Reed.

SPECIAL PROGRAMS COMMITTEE

Mr. Sala, Chairman; Mr. Patterson, Mr. Schweinfurth, Mr. Dawson, Mr. Kimpton, Mr. Graham.

TEACHER EDUCATION ADVISORY COMMITTEE

Mr. Sala, Chairman; Mr. Knight, Mr. Preston, Mr. McKenzie, Mr. Draper, Mr. Spence, Mr. McAlexander.

TEACHER EDUCATION REVIEW COMMITTEE

Mr. Spence, Chairman; Miss Reed, Miss Gordon, Mr. Sandercox, Miss Mathison, Mr. J. U. Davis.

TESTING

Mr. Sandercox, Chairman; Mr. Sala, Mr. Kurey, Miss Gordon, Mr. Myers, Mr. Cunningham.

BOARD OF COMMUNICATIONS

Mr. Carty, Secretary; Mr. Clopine, Mr. Patterson, Mr. Hobe, Mr. Welch, Mr. Graham. Student members: President of Student Board of Governors, who serves also as president of the BOC; Editors, Manager of Radio Station; Business Managers of Publications and Station.

COLLEGE COUNCIL

Mr. Sandercox and Adrian Melott co-chairmen; Mr. Sala, Mr. Knight, Mr. Young, Mr. McKenzie, Mr. Draper, Mr. Preston, Mr. Ray, Mr. Tye, Mr. Hauptfuehrer, Mr. Clopine, Mr. Patterson, Mr. Sykes, Mr. J.D. Davis, Mr. Graham, Miss Gordon. Student members: Presidents of Fraternities, Sororities and House Associations.

HISTORY AND PURPOSES

BETHANY COLLEGE is a private foundation chartered under the laws of the Commonwealth of Virginia on March 2, 1840. Alexander Campbell, celebrated debater, Christian reformer, and educator, wrote the Charter and provided the land for the campus as well as \$15,000 toward the first building. The first paragraph of the Charter reads as follows:

"Be it enacted by the general Assembly, That there be and is hereby created and established at or near Bethany, in the County of Brooke, in this Commonwealth, a seminary of learning for the instruction of youth in the various branches of science and literature, the useful arts, agriculture, and the learned and foreign languages."

Campbell's idea of a college derived from his own academic experience at the Scottish University of Glasgow where he studied, and from the University of Virginia, whose founder, Thomas Jefferson, he greatly admired. As a result of these two models, the new college took on the ideals and collegiate Gothic architecture of the four-hundred-year old Glasgow, and the curriculum as well as most of its first faculty from the twenty-year old University of Virginia. Campbell added his original conception of a department of sacred history which would teach the Bible on a parity with other disciplines. He defined the liberal arts as follows:

"They are called liberal arts and sciences, not merely because they free the human mind from vulgar prejudices, ignorance, and error which they certainly do; but because they are general in their character and application, and open to us an extensive acquaintance with literature, science and art; and thus furnish us with the means of extending our acquaintance with nature, society, and the Bible, to any extent commensurate with the wants of our nature and the limits of our existence."

Bethany has continued from 1840 to the present time as a four-year private college with a self-perpetuating board of trustees. The religious body known variously as the Christian Churches, Disciples of Christ, or Churches of Christ, of which Campbell was the principal founder, has been and continues to be a significant factor in the support and encouragement of the college. The eighteenth century home where Campbell lived and the private cemetery where he lies buried are part of the property of Bethany College. The undenominational nature of the restoration movement enables the college to exemplify the academic ideals of the Christian Churches with complete freedom from sectarian control.

When West Virginia became a separate state in 1863 Bethany continued to operate under its original charter from the Common-

wealth. The general corporation laws of the new state specifically recognized the supremacy of charters previously granted by special acts of the Legislature of Virginia before the formation of the State of West Virginia. No amendments to the charter have been made. The newly formed Mountain State was indebted to Alexander Campbell for his influence in the Constitutional Convention of 1829 where the rift was started which eventuated in the wartime separation. Archibald Campbell, Wheeling publisher, who was a nephew of Alexander and a Bethany graduate, called the Convention which created the new state. The tower of Old Main at Bethany appears as one of the four historical landmarks in the rotunda of the State Capitol Building at Charleston.

The college did not discontinue classes during the War between the States. Enrollment fell to thirty-three students for the term of 1862-63, but the college bell continued to ring and classes went on without interruption. The college was officially Unionist, but most of the students were from the southern states. Great inner discipline was required of each teacher and student when the waves of martial emotion swept the nation. The aged President Campbell said, "We at Bethany, in common with all the colleges in Virginia, and indeed all the South, are almost reduced to a shadow compared with bygone days and years. Martial glory and military splendor have usurped the throne of literature, science, and religion."

A resurgence of interest in the higher learning followed the War and brought great honor to Bethany. Professor A. E. Dolbear, while a Professor of Physics at Bethany, perfected the telephone receiver and delivered an important paper on the subject of his experiments before the American Association for the Advancement of Science which met at Portland, Maine in August, 1873. Dolbear sold his patents to the Alexander Graham Bell interests at a modest figure, since his interest was in science rather than commerce. James Lane Allen came to the faculty in 1880. One of his most celebrated novels was written while he was teaching Latin at the college. The strong emphasis on the sciences and humanities was matched by the awakening interest in the social sciences. Champ Clark of Congress and Joseph Rucker Lamar of the Supreme Court were among the graduates of that period.

The financial crisis of the 1890's threatened the very life of the college. Only the courage of the teachers and officers, together with the generosity of trustees such as T. W. Phillips, Sr. and M. M. Cochran, kept the classes going. Enrollment fell to fifty-three students in 1898, but the quality of instruction remained high in spite of unpaid salaries. In the face of such trials the faculty bravely raised entrance requirements. By the turn of the century things began to improve. New buildings began to rise through the generosity of Earl W. Oglebay, M. M. Cochran, and T. W. Phillips, Sr. Endowments developed rapidly in the twentieth century

until Bethany now stands tenth among colleges of its size in the entire nation with regard to endowments.

The unbroken tradition of academic excellence was undergirded by more adequate support as the century moved on. Forty percent of the faculty held earned doctorates by 1930. Bethany was on the early list of institutions accredited by the Southern Association and on the first list of those accredited by the North Central Association when regional jurisdiction was changed. The first list of approved colleges published by the Association of American Universities included Bethany. The faculty participated in an experimental program financed by the General Education Board and directed by the University of Chicago with a view to improvement in teaching methods. Comprehensive oral and written examinations were added to requirements for graduation. Bethany has maintained a place of educational leadership while at the same time holding to the distinctive purposes which marked her foundation.

The two world wars of the present century have not changed the central concerns of the Bethany program, even though courses and arrangements were adjusted to meet the crises of the nation. A Student Army Training Corps was established in 1918, and a Navy V-12 unit operated during World War II, while the emphasis on the liberal arts and sciences was maintained in full vigor.

Bethany College has continued in the tradition of its founder with regard to equal opportunities for people of all races and backgrounds. In 1850 Mr. Campbell said that the College is "for the common cause, which knows not state, territory, lineage, blood, or policy of earth." Throughout its history people from various racial backgrounds have been represented in the student body, on its faculty, and staff.

The present faculty and student body are quite generally oriented toward the quiet ideals of learning and integrity with a fine sense of individual responsibility. A discerning visitor soon discovers substantial identity between the stated aims of the college and the present Bethany program. The hallmark of a Bethany education today is the same pursuit of truth in a context of freedom which Campbell wrote into the Charter and early bulletin of 1840.

ACCREDITATION

BETHANY COLLEGE is fully approved by regional and national accrediting agencies. The College is a member of the North Central Association of Colleges and Secondary Schools, the Association of American Colleges, the American Council on Education, the College Entrance Examination Board and the American Association of Colleges for Teacher Education.

The College is approved by West Virginia and all other state departments of education for the preparation of teachers.

Women graduates of Bethany College are eligible for membership in the American Association of University Women.

Bethany College is a member of the Board of Higher Education of the Disciples of Christ.

LOCATION

BETHANY COLLEGE is located in the Northern Panhandle of West Virginia, three miles from Pennsylvania, seven miles from Ohio, and thirty-five miles north of the Mason-Dixon line. Its setting in the peaceful Buffalo valley of the Allegheny foothills is semi-rural, yet accessible to the centers of culture, transportation, commerce, and industry: Pittsburgh, Pennsylvania, is an hour and ten minutes away, to the northeast; Wheeling, W. Va., thirty-five minutes to the southwest; the Wheeling airport, with taxi service to Bethany, twenty minutes away; Steubenville, Ohio, half an hour to the northwest.

FACILITIES AND RESOURCES

THE COLLEGE campus of some sixty acres is located within the corporate limits of the town of Bethany. On the crest of the hill overlooking the town are located the academic buildings, the offices of administration, the library, the residences for college women, the women's gymnasium, and the president's house. On the east slope of the main campus are the student center, infirmary, and men's residence halls, and, on the west side, the field house, the natatorium and recreational areas for both men and women.

The college lands include about thirteen hundred acres of farm and timber land adjacent to the campus area and available for use by the students. These include the Alexander Campbell Farm, the Point Breeze Farm, the Parkinson Woods and other properties. Nature trails and picnic areas have been developed in some of these areas.

BUILDINGS

Old Main, the central unit of the academic buildings of the College, was built in 1858 to replace the original building which had been destroyed by fire the previous year. The Tower at the center of this building dominates the campus and the town and is the chief architectural feature noted as one approaches the College.

Commencement Hall, completed in 1872, provides the setting for convocations, concerts, dramatic presentations and other gatherings of a general nature. Studios and classrooms for the Department of Music are located on the ground floor of this building.

Oglebay Hall, dedicated in 1912, was built by the late Earl W. Oglebay of the class of 1869. The building accommodates the Departments of Biology and Psychology, and special research laboratories.

The Richardson Hall of Science (1964), which houses the Departments of Chemistry, Physics and Mathematics is named for Bethany's first Science Professor and is one of the outstanding Science Buildings in this country. The Benedum Foundation, the Phillips Family, Halford Morlan and the Kresge Foundation made major contributions to this project.

The Phillips Memorial Library (1959), costing approximately a million dollars, is the gift of the Phillips family of Butler, Pa., as a memorial to T. W. Phillips, Sr. and T. W. Phillips, Jr.

Cramblet Hall houses the administrative offices of the college. This building is named in honor of two former presidents of the college, Thomas E. Cramblet and his son Wilbur H. Cramblet.

Faculty Office Building was given to the College in 1947. Of semi-permanent construction, it provides offices and seminar rooms.

The Alumni Field House, built in 1948 by gifts from alumni, former students and friends of the college, provides physical education facilities for men. It has recently been expanded by adding a handball court and other facilities.

The Natatorium (1966) contains an Olympic size pool. One side of the building can be opened to take advantage of good weather.

The Rine Recreation Fields were developed as a memorial to Edwin M. Rine, friend and benefactor of the College. The Rine Fields are adjacent to the Alumni Field House and include football and baseball fields, a quarter mile cinder track and an athletic field for use of college men.

The Irvin Gymnasium (1919) was a gift to the College by members of the Irvin family of Big Run, Pennsylvania. It was the physical education center for all members of the student body until 1948. Since that time it has served as the center of physical education for women. The swimming pool is in this building.

The Bethany House, completed in 1948 and remodeled in 1966, is the student center and houses the dining hall for men. The first floor contains a new automatic four lane bowling facility as well as game rooms. The second floor, the Bee Hive, provides a snack bar and an informal social center.

Pendleton Heights, built in 1841 by William K. Pendleton, a member of the first faculty and second president of the College, serves as the home of the Vice-President of the College.

The Infirmary contains the office of the College Physicians, treatment and examination rooms, and wards for men and women.

The Outdoor Chapel is used for dramatics and other appropriate gatherings. This area, developed in cooperation with church groups in Pennsylvania and West Virginia, is also used as the site for vesper services at young people's summer conferences.

Phillips Hall (1929) is the central residence for women students. It replaced the original Phillips Hall which was a gift of Thomas W. Phillips. In addition to residence accommodations, it contains the dining room for women.

Ivabell Harlan Hall (1960) is a residence hall for upperclass women. This building was made possible by a gift from C. Allen Harlan.

Morlan Hall (1963) is a residence for women. This building was made possible by a gift from H. J. Morlan.

Cochran Hall, a men's residence, was built in 1910 by Mark M. Cochran, class of 1875, as a memorial to his son Percy B. Cochran of the class of 1900.

Campbell Hall (1956) is a modern residence housing 100 upper classmen. It was made possible by gifts from the Christian Churches of West Virginia, New York, Pennsylvania, and Ohio.

A. McLean Hall (1962) is a men's residence and Church Conference Center. The capital funds for it are being provided by contributions of the Christian Churches of West Virginia.

McEachern Hall (1963) is a men's residence and part of the Church Conference Center. The funds for it are being provided by Daniel V. McEachern and the Christian Churches of West Virginia.

Gateway Hall, located near the upper campus gates, is a residence for upperclass students.

Fraternity Houses. Six national fraternities for men maintain residences which provide housing and social facilities for their members.

Cochran Heating Plant which furnishes heat to buildings on the main campus was a gift of Mark M. Cochran in 1910.

LIBRARY

The College library contains approximately 93,000 volumes of selected books and periodicals. Supplementary services include microfilm files, microfilm readers, photo copier, recordings for work in speech and literature, a circulating art collection, and a

music library of albums of recorded symphonies, concertos and operas.

The library receives approximately 300 periodicals, and several metropolitan dailies and foreign language papers.

Through a program instituted by the Carnegie Library of Pittsburgh, the Carnegie-Mellon University, and the University of Pittsburgh, the facilities of these libraries and twelve cooperating colleges in Western Pennsylvania are available to students and faculty.

Several personal libraries and collections have been received by the College. The principal parts of the libraries of Alexander Campbell, Robert Richardson, Miss A. C. Pendleton, Archibald McLean, W. S. Priest, Levi Marshall, Miss Mary I. Nichols, R. H. Wynne, Cloyd Goodnight, M. M. Cochran, Mrs. Anna Ruth Bourne, Clarence A. Hanna, Miss Florence M. Hoagland, E. Lee Perry, Galen C. Hartman, Franklin T. Baker, Andrew Leitch, Forrest H. Kirkpatrick, and W. P. Harmon are among these.

Valuable early literature of the Disciples of Christ has come from Samuel Lindsay, Rev. W. S. Good, Miss Ellen Thomas, Rev. Ben S. Ferrall, Almon B. Knowles, and others. Material related to the Disciples of Christ, together with papers and publications of historical importance to Bethany College, have been brought together in the Alexander Campbell Room located on the third floor of the library.

Special funds have been established by Anna Ruth Bourne, Galen Campbell Hartman, and the Kresge and Kellogg Foundations, for use in purchasing books for the collections.

LABORATORIES

Biology. The biology laboratories and seminar rooms, located in Oglebay Hall, provide instructional equipment for courses. Special laboratories and facilities are available for advanced students conducting independent studies.

Chemistry. Facilities for the Department of Chemistry occupy about half of the Robert Richardson Hall of Science. These include separate laboratories and stockrooms for general, analytical, organic and physical chemistry as well as for instrumental analysis including infrared and ultraviolet, spectral studies, independent study, radio-chemistry, shop work and glass working. There is available also a constant temperature room and a photographic dark room.

Adjacent to each faculty office is a private research laboratory and adjoining all offices is a departmental conference and seminar room. The chemistry library containing both journals and reference books, is housed in the science library on the first floor of the building.

Education. The Education Laboratory contains more than 1,000 of the latest editions of elementary and secondary school textbooks, teacher's manuals and workbooks, plus a variety of audio-visual materials and equipment for use by students and faculty.

Foreign Languages. The laboratories of the Department of Foreign Languages contain listen-respond-record equipment in thirty student booths, controlled by a master console capable of operating up to four different programs of tape and/or phonograph recordings simultaneously. Located at the entrance of Old Main, the laboratories are used in the audio-lingual approach to the learning of foreign languages employed at Bethany to develop the comprehensive and speaking competencies of students in the first- and second-year French, German, and Spanish courses and in the advanced conversations and methods courses. Native speakers are used to record the programs and to supervise the laboratory sessions.

Physics. The Physics Department is located on the first floor and in the basement of the Robert Richardson Hall of Science. There are new classrooms and laboratories for Physical Science and General Physics; and laboratories for advanced work in Optics, Radio, Electronics and Analytical and Quantitative Spectroscopy.

Psychology. The laboratories of the Department of Psychology, located in Oglebay Hall, are equipped for work in experimental psychology, perception, mental measurements and some phases of applied psychology.

STUDIOS AND WORKSHOPS

Art. The Art Department has separate studios for drawing and painting, sculpture and ceramics. The ceramics studio is well equipped with electric kilns, wood kilns, potters wheels and spraying equipment. The sculpture studio is adapted for wood sculpture.

The Art Department exhibits one-man shows on the second floor of the Phillips Memorial Library and the gallery for student shows is available on the ground floor in Old Main.

Drama. The Theatre Workshop is located on the second floor in Old Main adjacent to the Little Theatre. The workshop and the Little Theatre provide the facilities and opportunities for scenic work and dramatic productions. The larger stage and auditorium of Commencement Hall are available for major productions of the Department of Speech and Drama.

Music. The Music Department has, on the first floor of Commencement Hall and Old Main, teaching studios, a studio-classroom, a general rehearsal room for the larger choral and instrumental groups, and individual practice rooms. Use is also made of Commencement Hall for rehearsal of very large groups—oratorio

and opera productions. The organ which is used for teaching and practice is also located in Commencement Hall. Equipment includes grand pianos in the studios, the rehearsal room and Commencement Hall stage, practice console pianos in the other rooms, one two-manual harpsichord, a number of band and orchestral instruments, tape recording and phonograph equipment, and a library of choral and instrumental music. Additional listening equipment is located in the Phillips Memorial Library.

RESOURCES

The gross assets of Bethany College at the end of the fiscal year August 31, 1966, totaled \$15,964,979. In the assets, Endowment Funds are listed at a book value of \$6,940,977 and College Plant and Equipment is listed at a cost value of \$7,449,255. Other assets include loan funds, agency funds and miscellaneous items.

The College recognizes, with appreciation, the gifts of funds which not only provide lasting memorials for individuals and families but also make possible the program of a private college of quality.

The expenses of the College are met only in part by payments of students. The balance is provided by income from endowment funds and by gifts. The private college depends upon the continued support of those who believe in its program.

The named endowment funds of the College include the following:

M. M. Cochran Endowment of President's Chair	\$100,000
M. M. Cochran General	500,000
M. M. Cochran Endowment of 1923	335,768
M. M. Cochran Special Trusts	846,880
T. W. Phillips, Sr., Chair of Old Testament ...	30,000
Sarah B. Cochran Chair of Philosophy	25,000
Moninger Memorial Bible Chair	24,980
George T. Oliver Chair of History	50,000
Pearl Mahaffey Chair of Modern Languages ...	1,395
R. A. Long Chair of Mathematics	50,000
T. W. Phillips, Jr.	59,277
Anna Louise Helwig	33,557
Men and Millions	66,150
Robert MacDougald	9,210
E. M. Rine Trust (to date)	173,384
Wilson Beall Memorial	20,000
The Gans Fund for Research in Science	50,000
Miscellaneous General Endowments	673,473
The Ford Foundation	158,500
The Daniel F. Mullane Memorial	13,933

The Albert H. Hunt Memorial	36,069
David B. Steinman Memorial	25,000
Centennial Endowment Fund	44,306
Carl Clayton Endowment	15,827
C. Reid Miller	10,000
Arthur S. and Claire Holden	6,292

LIBRARY FUNDS

Michael L. Benedum	\$7,500
Thomas Bloch	1,000
Anna Ruth Bourne	12,749
Hamilton and Blanche Forman	1,000
Globe Brick, Sidney Porter	1,250
Cloyd Goodnight	3,418
Irwin T. Green	1,235
Aleece C. Gresham	1,000
Delmar S. Harder	6,918
Galen Campbell Hartman	25,615
R. L. Ireland	1,290
Jessop Steel Company	1,000
Kresge Foundation	50,000
Halford Morlan	5,000
Daniel F. Mullane	1,000
H. C. Ogden	8,000
Kenneth Resseger	6,015
Weirton Steel Free Enterprise	2,500
Cyrus F. Yocum	2,565

Named Funds for Scholarship and Student Aid purposes include: (See Section on Scholarships and Financial Aids).

Mary A. Morrison	\$1,000
Isaac Mills	1,000
G. A. Willett	4,000
Isaac Brown	750
Albert C. Israel	500
Jennie Irvin Hayes	5,000
Ida Mae Irvin	5,000
Herbert Moninger	2,455
Josiah Wilson	2,576
John H. and Ida H. King	18,292
Minnie W. Schaefer	8,350
John T. Smith	17,417
William Kimbrough Pendleton	20,000
Z. T. Vinson	1,600
Florence M. Hoagland	5,915
E. Lee Perry	11,928

William H. Vodrey	28,314
Arthur C. Stifel	42,712
Campbell Allen Harlan	58,500
Perry and Aleece Gresham	10,328
Greensburg (Pennsylvania) Area	23,428
N. W. and Bessie Evans	5,000
Patrick A. and Elizabeth Berry	5,000
Forrest H. Kirkpatrick	10,623
Irene O. Darnall	3,275
Lotta A. Calkins	21,045
John E. Sugden, Jr.	2,000
Marion and Frank Dunn	2,810
Argyle Campbell	3,936
Chapman	1,720
Ministerial Training	9,007
National Campbell	25,987
H. J. Morlan	5,000
Herbert and Marguerite Rech	2,000
A. Dale Fiers	2,500
Waymon and Dorothy Parsons	10,804
Earl and Jonsie Brink	3,000
Thomas J. Boyd	1,500
Francis O. Carfer	1,406
Florence Abercrombie	22,647
Robert Hileman Lee	49,299
E. E. Roberts	1,198
J. S. V. Allen	688
Charles C. Smith	5,050
Stuart King Tweedy Memorial	10,288
Elizabeth M. Shrontz	5,000
Reader's Digest Foundation	7,500
Ada P. Bennett	1,046
Dr. and Mrs. Francis W. Hibler	12,500
Bison Club	3,392
J. West Mitchell	1,647
Robert M. and Katie W. Campbell	2,100
Elwood and Ethel Charnock	2,000
Jessie M. and Frank P. Fiess	1,000
Edwin K. Resseger, Jr.	1,765





"Bethany is an institution on which 'time has laid his hand' to mold and fashion for a destiny of true excellence."











"The ideal Bethanian is primarily an intellectual who is highly motivated towards mastery of the disciplines which our culture honors. He is a free man dedicated to learning."



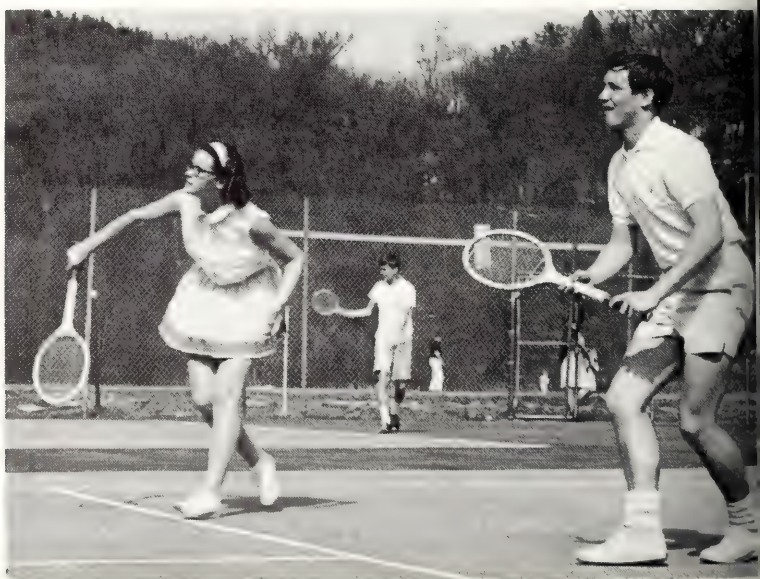








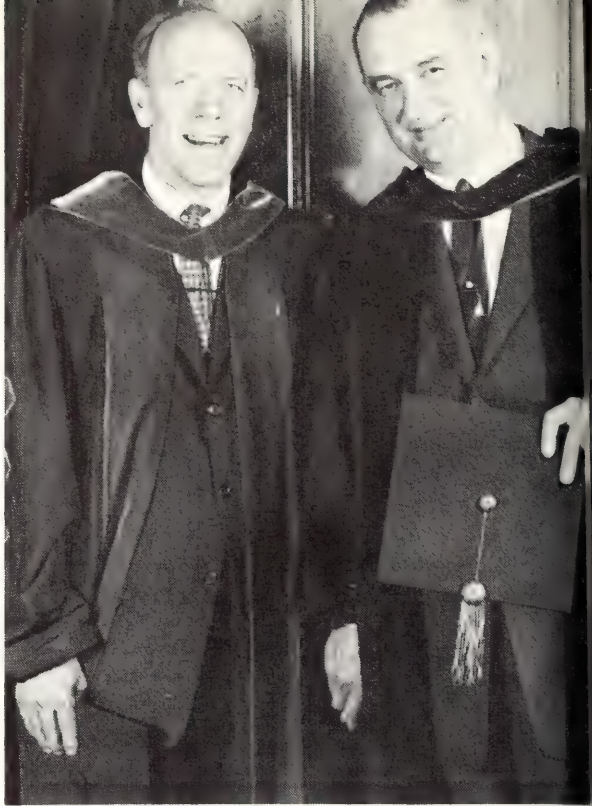
"Not every Bethanian is an athlete, but each one is as physically fit as his inventory of health will allow. The playing fields of Bethany bring victories to the battlefields of the world. Only the strong can climb the campus hills."











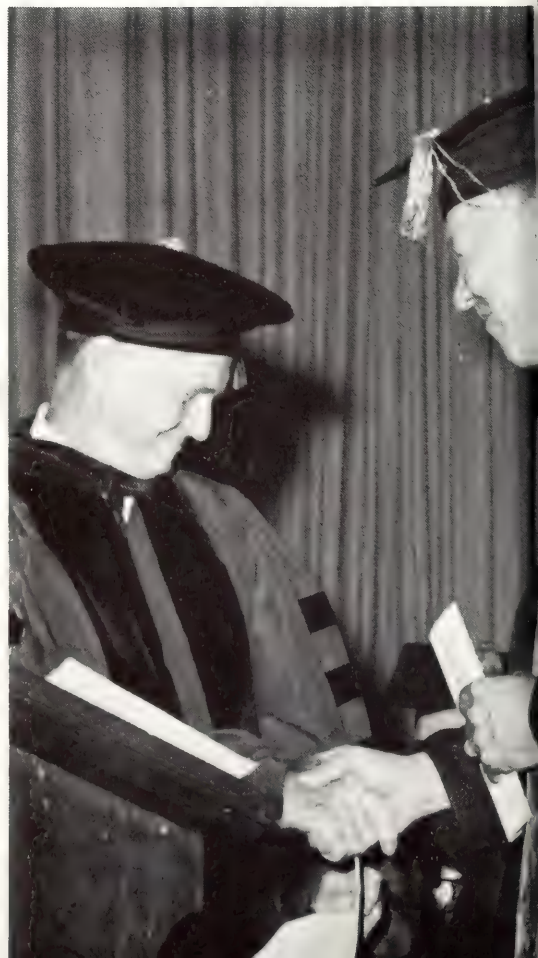
"Enlightened participation in government and civic affairs is characteristic of a cultured man."







“Let her friends unite to extend her influence, encourage her faculties, inspire her students, and give witness to the truth she exemplifies and imparts.”





THE STUDENT

ADMISSION

BETHANY COLLEGE welcomes applications for admission from all those who consider themselves qualified and are sincere in their desire to enter the College. Admission is based on a careful review of *all the credentials presented* on behalf of the candidate and is on a competitive basis. The Committee on Admission accepts those it considers best qualified among those applying. In no case does the meeting of minimum standards assure admission.

Application for admission to the freshman class should be made to the Director of Admission, Bethany College, Bethany, West Virginia. A candidate should file his application as early as possible in the year in which he seeks admission, preferably before the completion of the first half of his final preparatory year. Decisions of the Committee on Admission are mailed beginning in October and ending in April. Upon acceptance for admission, applicants are expected to make a non-refundable registration deposit of one hundred dollars within the period stipulated in the letter of admission.

CREDENTIALS FOR ADMISSION

PROGRAM OF SECONDARY SCHOOL STUDIES

A candidate for admission is expected to complete a secondary school course which gives preparation for the work of a liberal arts college. Fifteen units of academic (college preparatory) work must be presented. Although the College does not prescribe how these subjects shall be distributed, it expects a minimum of four years of English with the usual sequences in mathematics, science, foreign languages and social studies.

Applicants from public high schools should be in the upper half of their graduating classes. Candidates from private schools and other specialized schools should have college certifying grades in all subjects.

EXAMINATIONS

The College requires that all applicants take the Scholastic Aptitude Test of the College Entrance Examination Board. The test is given several times during the year at many centers throughout the world. Bethany will accept the scores from the examinations at any of the testing dates, but prefers the December or January administration of the test. Application forms for the test are usually available at secondary schools, but they may also be secured by writing to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey.

Although not required for admission, all *accepted* applicants must present scores on three Achievement Tests (the English Composition Test and two others of the applicant's choice) for placement purposes. It is suggested that they be taken in the late spring of the senior year of secondary school.

INTERVIEW

Since Bethany is a small college and its members share a common life, the character and personal qualifications of students are of great importance. Every candidate should, therefore, have an interview if possible. Applicants who live near enough to Bethany to make the round trip in one day should arrange for an interview at the College.

The following visiting hours are suggested:

9:30-11:30 A.M.

Monday, Friday and Saturday

2:00-4:00 P.M.

Monday and Friday

Applicants living at a greater distance would profit greatly from an interview on the campus. However, if a trip to the College is not possible, an interview with an Admission officer when he is travelling in the applicant's vicinity may often be arranged.

REFERENCES

Three references from persons who know the applicant well are required. The Admission Office will write directly to the persons the applicant gives as references on his application blank.

HEALTH REQUIREMENTS

After the candidate's admission the parents and family physician will be asked to provide a medical history adequate for the understanding of any problems which arise. Each candidate must also provide evidence of having had a successful smallpox vaccination within a three year period prior to entrance.

EARLY DECISION PLAN

The Committee on Admission and Academic Review is willing to give consideration for early acceptance to any student whose first choice of colleges is Bethany. A candidate interested in applying for an early decision should submit all credentials during the summer following the junior year. *In addition, the candidate must write a letter to the Director of Admission requesting an early decision on the basis that Bethany is the applicant's first*

choice. Applicants under the early decision plan are notified of the action of the Committee on Admission during October and November of their senior year in secondary school. Applicants for early decision who are not accepted may be reconsidered in the spring on the usual admission program.

ADVANCED PLACEMENT

Entering freshman who pass the Advanced Placement Tests, given in May by the College Entrance Examination Board, are admitted with advanced standing. Information about these tests can be obtained from the College Entrance Examination Board.

Programs of advanced placement other than that of the College Entrance Examination Board may be used when evaluated by the Bethany College faculty.

Any student who feels he is sufficiently well grounded in the subject matter of any of the prescribed courses for a baccalaureate degree or in any course in another area may make application to the office of the Dean of Students to take an achievement test. The application should state the achievement test which the student desires to take on the basis of his preparation for the specific test. If the results of this test indicate sufficient mastery of the subject the prescription may be waived. Passing the achievement test will not necessarily give credit in hours toward a degree. If there is evidence of a high degree of mastery of the subject matter in the area the student may receive academic credit toward a degree.

ADVANCED STANDING BY TRANSFER

A limited number of students from other approved colleges may be admitted by action of the Committee on Admission. *All applications for admission from students for advanced standing must be accompanied by official certificates stating the nature and extent of college courses attempted or completed, and all disciplinary and academic items that belong to such a record.* Academic work ranked below "average" (grade C) will not be accepted. Not more than sixty-five hours will be allowed for courses completed in Junior College.

Some academic credit may be allowed for training courses and educational experiences in the Armed Forces according to the general pattern recommended by "A Guide to the Evaluation of Educational Experiences in the Armed Services" issued by the American Council on Education, provided such courses or experiences are appropriately related to a college of liberal arts and sciences.

A student transferring to Bethany cannot be granted a degree unless he has been in attendance at the College at least during his senior year.

UNCLASSIFIED STUDENTS

A very limited number of mature students who are not candidates for a degree may be admitted to the College as "unclassified students." Approval for such enrollment will be given only if the applicant can satisfy the Committee on Admission that he can pursue the courses with profit, that he has a serious purpose in mind, and that he can meet the general requirements as to health, character and mental ability.

DISCIPLINE

The College may dismiss or suspend a student at any time when, in the sole discretion of the College, the best interests of the College or the student will be served thereby. Attendance at Bethany College shall be conclusive evidence of each student's acceptance of this principle.

COLLEGE COSTS

BETHANY COLLEGE is a non-profit institution. Tuition, fees and other general charges paid by the student cover less than three-fourths of the College's instructional and operating expenses. The balance needed to meet the instructional and general expenses of the College comes from income from endowment funds, and from gifts and contributions from alumni and friends of the College.

The College will continue to keep the cost of the student as low as possible consistent with the maintenance of adequate facilities and competent instruction.

ESTIMATED EXPENSES FOR A SEMESTER

For essential campus expenses, exclusive of such personal items as clothes, travel and amusements, and books, a student should budget from \$1250 to \$1350 a semester, viz:

Tuition and fees	\$760.00
Room and Board	\$400.00 to \$450.00

The College is required to collect the West Virginia Sales Tax of 3% on published charges for room and board.

The College reserves the right to change the price for room and board without advance notice.

TUITION AND FEES

The tuition and fees charge for each semester is \$760.00 for eighteen credit hours or less. For each academic hour in excess of eighteen an additional charge of \$25.00 is made. Tuition for students carrying less than thirteen hours is \$60.00 per semester hour. No reduction is made in student accounts for course changes made after the first two weeks of the semester.

While a general charge is stated for Tuition and Fees, this may be divided into \$610.00 for tuition and \$150.00 covering activities and services as follows: Athletics, Health Service, Library, Lectures, Plays, Concerts, Publications, Student Activities and Laboratory services with the exception of Music and Student Teaching.

APPLICATION FOR ADMISSION

All applications for admission should be made to the Admission office on forms supplied by the college. A non-refundable \$10.00 fee is required at the time formal application is presented.

APPLICATION FOR READMISSION

Students who have been previously enrolled in Bethany College who wish to return for additional college work must file an Application for Readmission with the Admission office. A \$5.00 fee is required at the time such application is presented.

REGISTRATION DEPOSIT

Upon acceptance for admission or readmission, a non-refundable registration deposit of \$100.00 is required of all students in accordance with instructions provided in the acceptance letter.

This deposit will be refunded following graduation.

Students not being graduated may have the deposit refunded after the last term of their attendance if written notice is given to the Business Office prior to the advance enrollment date for the next regular term. Such students may be readmitted by approval of the Dean of Students and the Business Manager.

MATRICULATION FEE

This fee of \$10.00 is payable once by every new student. It covers, in part, the cost of orientation and evaluation procedures for new students.

WITHDRAWALS AND REFUNDS

A student wishing to withdraw from Bethany College must file written notice with the Dean of Students to qualify for refunds of deposits and adjustment of other charges.

In case a student withdraws from college during the semester because of sickness or other causes entirely beyond his control,

tuition and board are refunded on a pro rata basis figured from the end of the week in which withdrawal takes place. Students dismissed or requested to withdraw by the College are not entitled to any return of fees. Scholarships and grants are not applied on the accounts of students who withdraw before the end of the semester. Special fees are not refunded.

RESIDENCE FACILITIES

With the exception of commuters all students are required to live in college residences or fraternity houses unless excused by the Dean of Students.

The women's residences are Phillips Hall, Gateway Hall, Ivabell Harlan Hall and Morlan Hall with single, double and multiple occupancy accommodations available.

The men's residences are Campbell Hall, Cochran Hall, Honors Hall, McEachern Hall and McLean Hall with single and double accommodations available.

Students living in college operated residences are expected to furnish bed linen, blankets, bedspreads, pillow, towels, study lamps and rugs. They are expected to care for their own rooms and to keep them clean and in good order at all times.

LINEN SERVICE

For the convenience of the student linen is supplied for \$16.00 per semester. Sheets and towels are provided each week while the College is in session.

OPERATION OF COLLEGE HALLS

Room assignments in all college residences are made by the office of the Dean of Students and are for the academic year.

Residence halls will be open for freshmen for each semester the day before Freshman Week begins and for all other students the day before Registration Day. Residence halls will be closed and students are not expected to stay in Bethany when college is not in regular session.

Bethany College reserves all rights in connection with the assignment, termination of occupancy and reassignment of rooms in all residences.

In cooperation with the C & P Telephone Company of West Virginia, Bethany College has provided a telephone for each student room. Information regarding the use, regulations, and billing procedures will be distributed to each student upon his arrival in Bethany.

FRATERNITY AND SORORITY HOUSES

Six national fraternities and five national sororities maintain active chapters on the Bethany campus and have residence accommodations for a limited number of members.

DINING HALLS

All resident students are required to eat in college dining halls unless excused by the Dean of Students. No refunds are granted for meals missed.

MISCELLANEOUS FEES

These fees are applicable for the specific course listed. They are charged only to students enrolled in such courses.

Education 443, 475, (each hour)\$ 8.00 per semester

MUSIC FEES

Private Lessons, one lesson a week\$ 60.00 per semester
Private Lessons, two lessons a week\$110.00 per semester
Instrument Rental\$ 8.00 per semester
Organ Practice, one hour each day\$ 30.00 per semester
Piano Practice, one hour each day\$ 8.00 per semester

OTHER SPECIAL FEES

Student Board of Governors Fee\$ 20.00 per semester
Application Fee for all new students\$ 10.00
(This fee must be paid before any action
is taken on application for admission)
Application Fee for all former students\$ 5.00
(This fee must be paid before any action
is taken on application for re-admission)
Registration Deposit (see page 37)\$100.00
Auditing a course, per semester hour\$ 25.00
(A student is not charged if he is paying
regular tuition and fees and the total program,
including the audit, does not exceed 18 hours)
Comprehensive Examination\$ 25.00
(For students not in residence or for special
examination)
Each academic hour when less than thirteen ..\$60.00 per semester
Each academic hour in excess of eighteen\$25.00 per semester
Each change in registration after registration day\$ 2.00

Graduation Fee	\$ 15.00
Guidance and advisory service (pre-college) ...	\$10.00 to \$ 25.00
Health Insurance	\$13.00 per semester
Infirmery charge per day	\$ 4.00
(After first three days each semester)	
Late registration (per day)	\$ 3.00
Matriculation Fee	\$ 10.00
Special Examinations in any department	\$ 10.00
Special placement or achievement test in any department	\$ 5.00
Transcript fee for transcript or copy of academic record (After first issue)	\$ 1.50
Lock Deposit for Physical Education Courses	\$ 5.00
(Refunded if the lock or key is returned to Physical Education Department)	
Key Deposit for Dormitories	\$ 5.00
(Refunded if returned)	
Linen (per semester)	\$ 16.00

BREAKAGE AND GUARANTEE DEPOSITS

These deposits are made to cover actual costs of special services materials.

Biology 230	\$ 7.00 per semester
Biology 343	\$ 5.00 per semester

Chemistry and Physics breakage and guarantee deposits are covered by a \$5 breakage card purchased by each student each semester for each laboratory course in which he is enrolled. In the event the breakage is in excess of \$5 per course per semester, an additional \$5 breakage card must be purchased. Unused portions will be refunded at the end of each academic year.

BETHANY COLLEGE STUDENT DRAWING ACCOUNT

The Business Office provides a limited banking service whereby students may deposit funds and draw on them as required. Students or their parents may make deposits to the Student Drawing Account.

The only charge for this service is at the established rate of exchange for handling checks. Its use is recommended. This avoids the necessity of the student's keeping on hand any substantial amount of money.

All checks must be made payable to the Bethany College Student Drawing Account.

PAYMENT OF STUDENT ACCOUNTS

At the time of registration an invoice is prepared for each student, listing all charges due the College for the following semester. Payments are due in accordance with the following:

First Semester

By August 15 a payment of\$750
Balance on account due October 15.

Second Semester

By January 15 a payment of\$750
Balance on account due March 15.

Scholarships and awards may not be used as credit against the August or January requirement; however, completed loan agreements may be. All special student accounts for which total semester charges are \$750.00 or less are payable in full at registration.

Students will not be permitted to register if the initial payment requirements for each semester are not met, and they may be denied College privileges if subsequent payments are not completed as scheduled. *These requirements are in addition to the registration deposit.*

Checks or drafts should be written payable to Bethany College.

An account service fee of 2% per month will be charged on balances outstanding on all student accounts as of October 15 for the first semester and March 15 for the second semester. This fee will be entered on all accounts the day following the above dates and at 30-day intervals thereafter for a period not to exceed 90 days.

Students may not take final examinations, receive academic credit or obtain transcripts or grades until satisfactory arrangements are made to cover financial obligations.

MONTHLY PAYMENT PLANS

The College has made arrangements with the Insured Tuition Payment Plan, Education Funds, Inc., and The Tuition Plan, Inc. whereby student accounts may be paid on a monthly basis during the year. Arrangements to use any of these plans should be made prior to the registration period. Information concerning these may be obtained by writing to the Business Office, and contract forms may be obtained by writing the Insured Tuition Payment Plan, 38 Newbury Street, Boston, Massachusetts 02116; Education Funds, Inc., 10 Dorrance Street, Providence, Rhode Island 02903, The Tuition Plan, Inc., One Park Avenue, New York, New York 10016. Contracts are to be completed by the parent or guardian of the student by direct negotiation with the payment plan offices indicated.

FINANCIAL AIDS

BETHANY COLLEGE provides limited financial assistance to promising and deserving students through scholarships and loans to the extent that designated funds permit. There are also limited opportunities for student employment.

Candidates for admission to the freshman class who wish to apply for any form of financial aid *must* submit the *Parents' Confidential Statement* to the College Scholarship Service, Box 176, Princeton, New Jersey *prior to February 1st* for evaluation and submission to our Admission Office. No special examinations are required of financial aid applicants but candidates for scholarships must take the College Board Scholastic Aptitude Test not later than December of the applicant's senior year, since no applicant will be considered for assistance until accepted for admission. College Scholarship Service forms will be available in secondary schools on October 1, 1967.

Financial aid cannot be given to all who apply, but students of ability who need assistance are encouraged to apply. So many students with genuine need and without other resources ask for help from the College that those who can obtain help from friends or relatives should do so. The Committee makes awards on the basis of academic accomplishments, constructive citizenship, and financial need. Major awards include all types of financial aid: scholarship, grant, loan and employment. Except for employment awards are credited against college charges.

SCHOLARSHIPS

Bethany College recognizes promise and intellectual attainment by awarding a number of scholarships. These awards vary in value and are available to a limited number of entering students. Most scholarships are awarded to freshmen on a four-year basis, but they are subject to review and continuation or cancellation at the end of each year. They are continued from year to year only if the recipient has met the following conditions:

1. A satisfactory scholarship index.
2. Satisfactory conduct as a student.
3. Worthwhile contributions to the college program.
4. Constructive citizenship in the college community.
5. Payment of student accounts as scheduled.

LOAN FUNDS

The Phillips Loan Fund was established in 1890 by the gift of Thomas W. Phillips, Sr., of New Castle, Pennsylvania, in the amount of \$10,000. Principal and interest in this fund are loaned to students preparing for the Christian Ministry.

The Claude Worthington Benedum Scholarship Loan Fund was established by the Claude Worthington Benedum Foundation. Loans from this fund are made to Bethany students who are bona fide residents of West Virginia, are in need of financial aid, and meet faculty requirements for such assistance.

The National Defense Student Loan Fund. The Federal Government established in 1959 a loan program for undergraduate students in which Bethany College participates. Application information may be obtained from the Admission Office or the Business Office.

Applications for loans are made to the Committee on Scholarships and Financial Aids.

STUDENT EMPLOYMENT

Limited opportunities for students to earn money for college expenses are afforded, but under no circumstances is it possible for a student to earn all of his expenses. The College may not be able to provide student employment of any kind beyond \$250 as a total for any one year.

Applications for student employment are filed on a designated form. A careful study of the student's needs and general welfare will be made by the committee caring for student employment as each application is considered. Applications for student employment should be filed with the Dean of Students.

MINISTERIAL TRAINING AWARDS

Students who are preparing for a church vocation, such as the ministry, religious education, and missions may be able to receive financial aid through grants that are made possible by contributions from churches and individuals. This program is under the supervision of the Director of Church Relations and Ministerial Training. It is provided primarily for those who are preparing for a church vocation with the Christian Churches (Disciples of Christ). Some financial assistance is available to those preparing for this type of service with other religious groups. Continuation of these awards requires satisfactory academic performance in each academic year.

THE GANS FUND AWARDS

Income from a fund of \$50,000, established by Wickliffe Campbell Gans of the Class of 1870 and Emmett W. Gans, in memory of their father and mother, Daniel L. and Margaret Gordon Gans, is awarded to juniors and seniors at Bethany College and to graduates of Bethany College engaged in study and research at Bethany or elsewhere who have shown "evidence of merit and promise in the field of science." Funds so awarded will be available for approved study and research in some specific field.

SCHOLARSHIP FUNDS

The College recognizes, with appreciation, the gifts of specially designated funds which not only provide lasting memorials for individuals and families, but also make possible scholarship grants to undergraduates who otherwise would find it difficult to enter or remain in college.

The following scholarships have been specially designated by friends of the College and are part of the total resources available for financial aid to students:

Mary A. Morrison Scholarship—This is a scholarship covering part of the cost of tuition.

Isaac Mills Scholarship—This scholarship covers a part of the tuition charge of a ministerial student.

G. A. Willett Scholarship—This scholarship of \$80 per semester applies on tuition. The student receiving this scholarship is to be nominated by a member of the Willett family.

Isaac Brown Scholarship—This scholarship provides \$30 per year to apply on tuition.

Albert C. Israel Scholarship—This scholarship yields \$20 per year to apply on tuition of a descendant of Albert C. Israel.

Jennie I. Hayes Scholarship—The income from a fund of \$5,000 is awarded for the purpose of helping students who are preparing for the mission field or the ministry.

Ida M. Irvin Scholarship—The income from a fund of \$5,000 is awarded to students who have reached the senior year in their college course.

Herbert Moninger Scholarship—A scholarship fund of \$2,500 established in memory of Mr. Herbert Moninger, a graduate of the class of 1898. The income is used to aid a student or students preparing for religious education.

Josiah Wilson Scholarship—A scholarship fund in the amount of \$2,576 established by Josiah N. Wilson in memory of Josiah N. and Wilminia S. Wilson. The income is used to aid a student or students preparing for the Christian ministry.

The John H. and Ida H. King Scholarship Fund—The income from a fund of \$18,292 is awarded to students at Bethany College under terms approved by the Trustees of the College in accordance with the will of the donors.

M. M. Cochran Scholarship—Scholarships covering a part of the tuition charge.

Minnie W. Schaefer Awards—The income from this fund of \$8,350 is awarded to a student or students preparing for definite Christian service.

J. T. Smith Awards—A fund of \$17,417 established by Mr. J. T. Smith of Memphis, Tennessee, the income of which is available for students preparing for the Christian ministry or some other form of Christian service.

William Kimbrough Pendleton Scholarship Fund—A fund of \$20,000 set up by Clarinda Pendleton Lamar in memory of her father, William Kimbrough Pendleton, member of the first faculty and second president of the College (1866-1889), the income of which is available each year to one or more citizens of West Virginia. These awards may be in the form of loans or gifts as determined by the Committee on Scholarships and Financial Aids.

Vinson Memorial Fund—A fund of \$1,600 established by Z. T. Vinson, of the Class of 1878, through the Central Christian Church of Huntington, West Virginia, the income from which is available to students preparing for the Christian ministry.

Florence M. Hoagland Memorial Scholarship—A fund of \$5,915 established by Miss Frances Cables of Woodstock, New Hampshire, for the establishment of a scholarship in memory of Florence M. Hoagland, Head of the Department of English and Advisor for Women at Bethany from 1936 to 1946, the income of which is available to students approved by the Committee on Scholarships and Financial Aids.

Perry Scholarship Fund—A fund of \$11,928 established in memory of Professor and Mrs. E. Lee Perry. Professor Perry was a graduate of the College in the Class of 1893, Professor of Latin at the College from 1908 to 1939 and Professor Emeritus from 1939 to 1948. Under the terms of this gift, the income of this fund is to be used to aid students preparing for the Christian ministry.

William H. Vodrey Scholarship—A fund of \$28,314 established by Mr. William H. Vodrey, a member of the Class of 1894, the income of which is to be used to assist a student or students from the area around East Liverpool, Ohio.

Adelaide E. and Arthur C. Stifel Scholarship—A fund of \$42,712 established by Mr. and Mrs. Arthur C. Stifel of Wheeling, the income from which is to be used to assist a student or students from the Wheeling area.

Newton W. and Bessie Evans Scholarship Fund—A fund of \$5,000 established by Mr. Newton W. Evans, the income from which is to be used to assist worthy students in furthering their education at Bethany College.

The Oreon E. Scott Foundation Scholarships—A grant from the Trustees of the Oreon E. Scott Foundation provides scholarships covering part of the tuition costs for the junior and senior year to those students preparing for the Christian ministry who have the highest scholarship index for prior years.

Campbell Allen Harlan Scholarship—A fund of \$58,500 established by Mr. Campbell Allen Harlan of Detroit, Michigan, the income from which is to be used to assist students of unusual ability in the fine arts to further their education at Bethany College.

Perry and Aleece Gresham Scholarship—A fund of \$10,328 established by Detroit friends as a gift to Dr. and Mrs. Perry Epler Gresham in appreciation of his ministry at Central Woodward Christian Church. The income from this fund is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Greensburg Area Scholarship Fund—A fund of \$23,428 established anonymously in 1953, the income from which is to be used to assist students of ability and need, from the Greensburg, Pennsylvania, area to attend Bethany College.

Patrick A. and Elizabeth Berry Scholarship Fund—A fund of \$5,000 established by Miss Sara Cameron, the income from which is to be used to assist students of ability and need, from the Counties of Homes and Knox in the State of Ohio, whenever possible.

Forrest H. Kirkpatrick Scholarship—The income from a fund of \$10,623 is awarded for the purpose of helping students who are sons or daughters of alumni.

Irene O. Darnall Scholarship—A fund of \$3,275 established by Irene O. Darnall, the income from which is to be used to assist needy and worthy students of Bethany College.

Lotta A. Calkins Scholarship—A fund of \$21,045 established by Lotta A. Calkins, the income from which is to be used to assist needy and worthy students who are preparing for full time Christian service in ministry and missions.

John E. Sugden, Jr. Fund—A fund of \$2,000 to render assistance in the forms of loans and grants to students who are preparing to become ministers of the Christian Church.

Marion and Frank Dunn Scholarship—A fund of \$2,810 the income from which is to assist worthy and eligible students designated by the Committee on Scholarships and Financial Aids.

Harry L. Ice Timothy Ministerial Endowment Fund—A fund of \$49,299 established by Mr. and Mrs. Robert H. Lee of Pittsburgh, Pennsylvania, honoring Dr. and Mrs. Ice in recognition to Dr. Ice for his productive and untiring work in establishing and building the "Timothy Ministerial Training Program." The income from this trust is to be used to assist students of ability and need who are preparing for full-time Christian service in the fields of ministry, religious education, missions, and other church vocations.

A. Dale Fiers Ministerial Athletic Scholarship—An annual award of \$100.00 to recognize and encourage the scholastic and athletic skill of an outstanding upperclassman preparing for the Christian ministry.

The Parsons Memorial Timothy Fund—An initial fund of \$10,804 established by the Heights Christian Church, Shaker Heights, Ohio, and other friends in memory of Dorothy and Waymon Parsons for dedicated leadership to this church and the Brotherhood of Christian Churches (Disciples of Christ). Income from this fund is to be used to assist worthy students who are preparing for a church vocation through the ministry, missions, or Christian education.

Raymond E. and Eunice M. Weed Scholarship—A fund of \$1,000, the income of which is available to ministerial students to aid in the payment of tuition costs.

Mr. and Mrs. Earl B. Brink Scholarship—A fund of \$3,000 the income from which is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Thomas J. Boyd—A fund of \$1,500, the income from which is to assist worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Florence Abercrombie Scholarship Fund—A fund of \$22,647.00 established by Florence Abercrombie, the income from which is to be used to provide scholarships for worthy students preparing for full-time Christian Service.

Charles C. Smith Scholarship. A fund of \$5,050 established by the children, grandchildren and friends in memory of Mr. and Mrs. C. C. Smith whose dedicated lives were spent in service to the Christian ministry in town and country churches. The income is to be used for scholarships with priority given to those preparing for the Christian ministry and lay leadership.

Ada P. Bennett Memorial—Ministerial Training Endowment Fund of \$1,046 established by Mr. O. E. Bennett, family and friends, the income from which is awarded to a student preparing for a church related vocation.

Stewart King Tweedy Memorial Scholarship—A fund of \$10,288 established by Mr. and Mrs. H. L. Tweedy, and friends, in memory of their son who was killed in Viet Nam. The income from this fund is awarded to students on the basis of need and merit and without regard to sex, religion, race or nationality.

H. J. Morlan Fund—A fund of \$5,000 contributed by Mr. Morlan to the Scholarship Endowment of Bethany College.

Elizabeth M. Shrontz Scholarship—A bequest of \$5,000, the income from which shall be used to assist worthy students to obtain an education.

Reader's Digest Foundation Scholarship—A fund of \$7,500 established by the Reader's Digest Foundation, the income from which is used for the Scholarship Program of the College.

Argyle Campbell Memorial—A fund of \$3,936 contributed by the family and friends of Mr. Campbell to the Scholarship Endowment of Bethany College.

Jessie M. and Frank P. Fiess Endowed National Campbell Scholarship—Functioning under the general eligibility rules of the National Campbell awards, the Fiess scholarship is designed to assist students of Christian Church background who are preparing for lay professions.

Elwood C. and Ethel M. Charnock Scholarship—An endowment fund to assist students in Bethany College at and above the sophomore level.

J. West Mitchell Endowed Medical Loan Fund—A fund to provide loan assistance to pre-medical undergraduates at Bethany College and graduates of Bethany College enrolled in accredited medical schools.

Edwin K. Resseger, Jr. Memorial Scholarship—An endowed fund to provide scholarship awards to worthy and eligible students as designated by the Committee on Scholarships and Financial Aids.

Dr. and Mrs. Francis W. Hibler—A fund of \$12,500 to be used for the support and development of the Student Counseling Program.

National Campbell Scholarship—An endowment fund established in memory and honor of Alexander Campbell. Awards are in recognition of Christian service and academic accomplishment to develop able and dedicated lay leadership in the Christian Church. Nomination for these awards is made by the local minister and the awards are granted by the Committee on Scholarships and Financial Aids.

SUSTAINED AWARDS

H. L. Berkman Foundation—Annual contribution for Scholarship assignment to a resident of the Upper Ohio Valley.

Herbert and Marguerite Rech—Annual contribution for Scholarship assignment.

West Virginia Consumer Finance Association—Annual contribution for Scholarship assignment.

Robert M. and Katie W. Campbell—Annual contributions for Scholarship assignment.

Archibald Hamilton Rowan, Jr. Memorial—Annual contribution for Scholarship assignment based on academic performance and good citizenship.

David G. Baird—Annual contributions for Scholarship assignment.

Arthur J. Kobacker—Annual contribution for Student Loan Fund.

NATIONAL FELLOWSHIPS AND SCHOLARSHIPS

A variety of nationally recognized fellowships, scholarships and grants are available to Bethany students and Bethany graduates. There is an active attempt on campus to encourage students to compete for these awards.

Bethany students interested in pursuing graduate work and desiring to compete for assistantships in American university graduate programs should consult with the Chairman of their department.

Some of the major multi-disciplinary programs are listed below. Further information about these may be obtained from the Counselor on Graduate Fellowships.

Danforth Graduate Fellowships—Bethany graduates who have a continuing interest in preparation for a career in college teaching are eligible to compete for this award to pursue their graduate study. The award may be used at any accredited American university and may be for graduate work in any field of study common to the undergraduate liberal arts and science college curriculum.

Fulbright Act Grants—For study abroad, these grants are available to cover the cost of study and living in a foreign country.

Marshall Scholarships—Handled through the British Consul General, twelve scholarships are available to American students of high academic standing for two years of graduate study in the United Kingdom.

Rhodes Scholarships—Men who have completed their sophomore year at Bethany are eligible to compete for the Cecil Rhodes Scholarship, tenable for three years at Oxford University, England. These scholarships are awarded on the basis of character, scholarship, athletic ability and leadership in extra curricular activities.

Woodrow Wilson National Fellowships—To encourage promising students to enter graduate work in order to prepare for college teaching in the fields of humanities, social sciences, natural sciences and mathematics, the Woodrow Wilson Fellowship is available. Nominations must come from a faculty member.

Departmental Fellowships—Certain members of the junior class are designated as Senior Fellows for the following year. The selection is made only of students who have attained unusual excellence in their major study and who, by character and ability, can do special work in a department as an assistant in instruction and research. The Senior Fellowship carries a small stipend. No more than six Senior Fellowships are awarded in any one year. The selection of Senior Fellows is made by the Committee on Honors from the nominations of the department chairmen.

Foreign Exchange Fellowships—Each year at least two students direct from foreign countries come to Bethany to study on fellowships provided by the college administration. These students come to interpret their own people and their national culture to American student life. These awards are made only to students who are recommended by the Institute of International Education.

STUDENT ORGANIZATIONS AND ACTIVITIES

A CAMPUS LIFE rich with many and varied undergraduate interests is generally recognized as one of the advantages of Bethany. Such a personal enrichment grows naturally out of the friendly relationships between students and faculty and offers an opportunity for the expression of the desires of the individual student.

STUDENT GOVERNMENT

The government and direction of student interests and student activities are the joint responsibility of the Faculty and Administration of the College and the Student Board of Governors. The Student Board of Governors is elected by the student body and cooperates with the College Administration and Faculty in developing an intelligent appreciation of responsible participation in the college community life.

The Association of Women Students, of which every woman student is automatically a member upon her entrance into college, gives the college woman a better opportunity for experience in leadership and for sharing with the College the responsibility for her conduct.

RELIGIOUS LIFE

One of the expressed aims of the College is "To provide higher education in an atmosphere sympathetic to Christian ideals and Christian faith and to conserve and develop the moral character and religious life of its students."

Some of the student convocations are designed as Religious Chapel. Attendance is obligatory. The Chapel Services are planned by a committee of faculty and students.

Every effort is made to make these Chapel services non-sectarian and non-denominational. Representatives of the Christian and Jewish faiths are included among the visiting speakers.

STUDENT MEMBERSHIP

Many of the students at Bethany College find in the Bethany Memorial Church an opportunity for expression of their religious faith. Any student who is a member of a church in his home community is eligible for student membership. Student affiliation at Bethany in no way alters membership with the student's home church.

The program for students at the church includes a College Class for Bible study and group discussion on religious themes, and morning worship each Sunday morning.

The minister of the Bethany Memorial Church, who is also the College Chaplain, is available to students for counseling and advice on personal and religious matters.

CAMPUS RELIGIOUS PROGRAM

The interdenominational campus religious program administered by the Office of the Chaplain is called "Encounter." Encounter consists of four main divisions: the church and worship, the church and contemporary arts, the church and society, and the church and thought. Each division consists of two faculty advisers and from 10 to 15 students representing a cross-section of the student body. Vesper services are planned once each month and a special campus discussion program is offered once each month. Encounter involves not only discussion of religious issues, but also provides opportunity for actual service projects and field trips to various areas of social unrest and change. All interested students are invited to participate in this program.

CHRISTIAN LIVING EMPHASIS WEEK

Christian Living Emphasis Week, more familiarly known as CLEW, is planned and directed by a Campus Committee of students and faculty. CLEW brings to the campus nationally known leaders of various beliefs. Chapel services, class periods, residence halls, fraternity and sorority houses are thrown open to these leaders in an effort to convince each student of the importance of religion in life. Informal discussion groups and personal conferences are also a part of the program.

LENTEN DEVOTIONALS

A student committee of representatives from "Encounter" plans and presents a series of devotional services throughout the week before Easter. Music, art, devotional materials, and drama are used to provide a background for a personal experience of worship.

COURSE IN BIBLICAL RELIGION

Required of all students are four semester hours which include a survey of the Bible and an introduction to contemporary religious bodies in America, with attention to the religious movement which gave Bethany College its origin and continuing relationships. The Bible has been a textbook at Bethany since its founding.

JEWISH CHAUTAUQUA SOCIETY VISITING LECTURESHIP

The Jewish Chautauqua Society has provided a grant which makes possible a course in contemporary Judaism (see Religion 360) and lectures within the required course on Jewish aspects of Biblical faith.

KOINONIA

Students who are preparing for a life work in the Christian Ministry or missionary service or religious education are invited to become members of Koinonia. Meetings are held throughout the college year in which matters relating to the field of Christian service and the church are discussed.

CHURCH CHOIR

The church choir sings each Sunday morning at the Bethany Memorial Church and functions as a community church organization in co-operation with the general work of the congregation.

MUSIC**CONCERT CHOIR**

A select choir of not more than fifty mixed voices presents concert performances on campus and goes on tour each spring. The repertoire consists primarily of serious, rather difficult works, sacred and secular, of all periods. There is opportunity within the choir for the formation of smaller ensembles to cultivate special types of repertoire, such as madrigals. The choir also cooperates with the Drama Department in the production of one light opera each year.

MALE CHORUS

The chorus consists of thirty-six voices. The repertoire is varied with emphasis on serious works. When practicable, there is a spring tour.

ORATORIO CHORUS

A large combined choir presents the annual Christmas performance of Handel's "The Messiah."

SYMPHONY ORCHESTRA

The orchestra is open to all who can qualify. Emphasis is on standard symphonic repertoire, developing reading ability, and pre-professional ensemble playing.

COLLEGE BAND

Members of the orchestra and other ensembles act as a pep band in football season and for special occasions.

BRASS CHOIR

This choir appears in formal convocations and in concert. Open to qualified players by audition as vacancies occur.

CHAMBER MUSIC

Woodwind quintets, string quartets, and smaller ensembles are open to all who play orchestral instruments.

WHEELING SYMPHONY

There is opportunity for proficient orchestral musicians, especially string players, to play in the Wheeling Symphony, a fine orchestra with very high standards of performance. To be admitted into the orchestra, one must audition with the Symphony's director.

DRAMA

The Theater of the College offers experience to students with dramatic talent in the writing and producing of plays. Several plays are presented during the year. The work is correlated with the courses in Play Direction and Production and in Acting, under the supervision of the Department of Speech and Drama. Every effort is made to give this work a distinctly educational value both to performers and to audiences. Any student with an interest in dramatics may participate in department productions.

ATHLETICS AND RECREATION

Intercollegiate athletics are considered an integral part of the Physical Education program, and are promoted to furnish those students who possess a high degree of skill in a variety of physical activities an opportunity to compete with students from other institutions with similar standards.

Intercollegiate sports at Bethany College include football, basketball, baseball, track, tennis, golf, cross country, wrestling and swimming. Membership is held in the Presidents' Athletic Conference, which includes the following schools: Allegheny, Thiel, and Washington and Jefferson colleges in western Pennsylvania; Case Institute of Technology, Western Reserve, and John Carroll universities in Ohio.

Healthful athletic recreation is provided for the entire student body by an intramural program which includes a complete schedule

of sports. This program is supervised by the Director of Intramural Athletics, a member of the staff in the Department of Physical Education.

The Women's Recreation Association encourages the participation of all women in a program of physical education and recreation. Facilities are provided for basketball, volley ball, tennis, hockey, speedball, swimming, and archery. The W. R. A. sponsors an invitational Play Day for students of area high schools and in addition is host to delegations from tri-state colleges several times during the college year.

PUBLICATIONS AND RADIO STATION

The college publications include a campus newspaper (*The Bethany Tower*); the college yearbook (*The Bethanian*), an orientation guidebook (*The Student Handbook*), a literary journal (*The Harbinger*), and an economics journal (*The Bethany Journal of Political Economy*). These publications and the radio station (WVBC) are under the supervision of the Board of Communications. The Departments of English, Journalism and Speech provide professional guidance.

FRATERNITIES

Twelve social fraternities and sororities have active chapters at Bethany College.

The fraternities for men are: Alpha Sigma Phi, Beta Theta Pi, Delta Tau Delta, Kappa Alpha, Pi Alpha of Sigma Alpha Epsilon, Phi Kappa Tau, and Sigma Nu. The sororities for women are: Alpha Xi Delta, Kappa Delta, Pi Beta Phi, Phi Mu, and Zeta Tau Alpha.

The Inter-Fraternity Council, composed of representatives from each of the fraternity chapters, acts as the coordinating agency in fraternity affairs and activities. The Pan-Hellenic Board directs the activities and "rushing" season for the sorority chapters.

INITIATION

Students are not initiated into any fraternity or sorority until they have completed fifteen hours of resident academic work.

For pledging or initiation, a student must be in good standing with respect to college financial obligations as well as in good standing at the college both academically and socially.

CLUBS AND ASSOCIATIONS

Several active clubs and societies are sponsored by various departments in the college. The nature of the French Club, Sociology Club, Chemistry Club, German Club, Spanish Club, Economics Club, International Relations Club, Psychology Club and Sociology Club is explained by their titles. Papers dealing with appropriate topics are presented by students, faculty members and out-of-town speakers.

Young men and women of the student body preparing for full time Christian Service are eligible for membership in the Ministerial Association.

The H. T. McKinney Chapter of the Student National Education Association was chartered at the college in the fall of 1942.

A chapter of Student Affiliates of the American Chemical Society was founded at Bethany in 1948.

RECOGNITION OF STUDENT ACHIEVEMENT

BETHANY COLLEGE undertakes to encourage superior achievement in scholarship and outstanding leadership in student affairs by public recognition at Commencement, on Honors Day and on other suitable occasions.

GRADUATION HONORS

Students who have done academic work of unusual merit will be graduated with honors: Summa Cum Laude, Magna Cum Laude or Cum Laude. The awarding of honors is determined upon the basis of total quality points earned, standing in the Senior Comprehensive Examination, and the recommendation of the Senior Counselor in charge of the student's field of concentration.

Students who make an unusual record on the Senior Comprehensive Examination are listed at graduation as having "Passed With Distinction."

CLASS HONORS

Junior and senior students of the College who complete the academic work of any one year with a scholarship index of 3.50 are recognized for "First Honors" for the year. Those who complete the academic work of any year with a scholarship index of 3.25 are recognized for "Second Honors" for the year. Freshman and Sophomore students of the College who complete the academic work of any one year with a scholarship index of 3.25 are recog-

nized for "First Honors" for the year. Those who complete the academic work of any one year with a point average of 3.00 are recognized for "Second Honors" for the year.

SEMESTER HONORS LIST

At the end of each semester, a list of students who have rated high in academic attainment as attested by scholarship index are designated as "Students Distinguished in Scholarship." Often called The Dean's List, this distinction is determined by the Honors Committee.

SENIOR FELLOWSHIPS

Certain members of the junior class may be designated as Senior Fellows for the following year. The selection is made from students who have attained unusual excellence in their Field of Concentration and who, by character and ability, can do special work in a department as an assistant in instruction or research. No more than six senior fellowships are awarded in any one year. The selection of Senior Fellows is made by the Honors Committee from the nominations of the department chairmen.

HONORARY ORGANIZATIONS

Gamma Sigma Kappa is the honorary scholastic fraternity founded at Bethany College in 1932. Students maintaining a scholarship index of 3.25 for four consecutive semesters, provided that in no semester their scholarship index falls below an average of 3.00, are, upon recommendation by the faculty Honors Committee, eligible for membership.

Bethany Kalon is an honor society established in 1948 to give recognition to students who have demonstrated competent and unselfish leadership in student activities, have been constructive citizens of the college community, and have maintained high standards of personal character. It is open only to juniors and seniors. Selection is made by the members of the society with the advice and approval of the Honors Committee.

The West Virginia Delta Chapter of Pi Gamma Mu is an honorary social studies fraternity. Students maintaining a high scholarship index in twenty semester hours of social studies are eligible for membership.

Alpha Phi Chapter of Beta Beta Beta is an honorary society for students of the biological sciences. Its purpose is to stimulate sound scholarship, to promote the dissemination of scientific truth, and to encourage investigation in the life sciences.

Iota Theta Chapter of Sigma Tau Delta is an honorary English fraternity. Membership is limited to students who have maintained a scholarship index of 3.2 in 15 semester hours of English and a total scholarship index of 2.8.

Tau Chapter of Omicron Delta Epsilon, National Honor Society in Economics, was established at Bethany College in December, 1960. Membership is limited to students of at least Junior standing, who have completed twelve or more semester hours of courses in Economics with an average of B plus or higher, and whose grade average in all courses is at least B.

Beta Gamma of Alpha Psi Omega is a national recognition society in dramatics. Students qualify by faithful work in playing a certain number of major and minor roles in the plays presented on campus. Provision is also made for crediting other kinds of dramatic work on the technical and business side of play production as equivalent to major and minor roles.

AWARDS

The Oreon E. Scott Award is made each year to the graduating senior who has achieved the highest academic record over the four-year period. The donor of this award was a long-time Bethany trustee and a graduate of the Class of 1892.

The Anna Ruth Bourne Award is planned to stimulate scholarship among the women's social groups. This is a silver cup, provided by an anonymous donor, awarded to the active and bona fide women's social group whose active membership earned the highest scholarship standing each semester. The group winning the cup for four semesters is presented with a smaller replica as a permanent trophy.

The W. Kirk Woolery Award is offered to encourage scholarship among the men's social groups. This is a silver cup, donated by friends of the late Dr. Woolery who was Dean and Provost of the college. This cup is held by the active and bona fide men's social group whose active membership earned the highest scholarship standing during the preceding semester. Any group winning the cup for four semesters is presented with a smaller replica as a permanent trophy.

The Outstanding Junior Woman Award is provided by the Pittsburgh Bethany College Club, comprising the college alumnae of Pittsburgh. This award is based on qualities of leadership, character, conduct, and scholarship. The club has placed a suitable plaque in Phillips Hall on which the names of the winners are engraved. In addition, an individual gift is made each year to the person designated.

The W. F. Kennedy Prize is given each year to the outstanding young man in the junior class. This award, established by W. F. Kennedy of Wheeling, West Virginia, is awarded on the basis of his contribution to the college community life through leadership in activities, personal character, and scholarship.

The Freshman Writing Award is open to all Bethany freshmen and is judged on the merit of three types of writing: the essay, the short story, and poetry. The judging of the contest is under the direction of the Department of English.

The Shirley Morris Memorial Award, established by Theta chapter of Zeta Tau Alpha, in memory of Shirley Morris, a loyal member and past president of the chapter, is given annually to the outstanding student in the field of modern languages. Selection is made by the Modern Language Department of Bethany College.

The Beta Beta Beta Award, established by an anonymous donor, is an annual award made to the senior student majoring in Biology who has attained the highest academic rank in this field of concentration.

The Florence Hoagland Memorial Award, given by a graduate of the Class of 1944, is presented each year to the outstanding English concentrator in the graduating class. The award honors the memory of the late Miss Hoagland, who was for many years Professor of English at Bethany.

The Cammie Pendleton Awards, named in honor of Miss A. Campbellina Pendleton, Professor of Language and Literature of Bethany from 1884 to 1909, are presented annually to the outstanding junior and sophomore concentrating in English. The awards are given by Dwight B. MacCormack, Jr., of the class of 1956, in memory of his grandmother, Dr. T. Marion MacCormack.

The Sigma Tau Delta Prize in English, given by a member of the class of 1950, is presented each year at Commencement to the English concentrator who has attained the second highest rank in English.

The E. E. Roberts Distinguished Prize in Campus Journalism is awarded annually to an outstanding student who excels in work on a student publication, academic work in the Department of Journalism, or both.

J. S. V. Allen Memorial—A fund established by the family and friends of Professor Allen to provide for an annual award to the outstanding student of Physics at Bethany College.

Frank Alfred Chapman Memorial—A fund established by Dr. Stanton Crawford to provide for an annual award to the outstanding student of History at Bethany College. Preference is given to students of American History and the Ohio Valley.

Osborne Booth Memorial Fund—An endowed fund to provide for an annual student award for excellence in religion studies.

The Francis O. Carfer Prize is given each year to the senior who, in the judgment of the Honors Committee, has made the most outstanding contribution to the College during his undergraduate years. Mr. Carfer, a Trustee of Bethany College for 29 years, was a graduate of the class of 1909. Recipients of the award must display sound academic accomplishment and characteristics of loyalty, service, and devotion to Bethany College.

Senior Award in Chemistry. This award, by anonymous donor, is granted to the senior concentrating in chemistry who has achieved the highest cumulative average in his major field, including the record made on the Senior Comprehensive Examination.

STUDENT HEALTH

THE COLLEGE recognizes its responsibility for the physical well-being of its students and undertakes to provide adequate facilities and procedures to safeguard their health. Attention is given to the prevention of illness or accidents as well as to treatment and cure.

THE COLLEGE INFIRMARY

The College Infirmary, in charge of the College Nurse and her assistants, is open while the College is in session. It includes the physician's office, dispensary, treatment rooms, medicine room, and wards for men and women.

The College Physician is in the infirmary each day for consultation, examination, and treatment without charge.

DISPENSARY

Each student is expected to report any illness to the college dispensary. The Head of Residence in any college facility should be advised at once if a student is ill and unable to report to the dispensary. Students may not make direct requests for nursing services outside the infirmary. In the event of contagious or infectious disease, students will be expected to observe all regulations which may be prescribed by the college officers or public health officials.

Arrangements can be made for vaccinations, cold serums and special treatments at the college dispensary. No extensive medical or surgical procedures are carried out at the infirmary, but all minor ailments will be cared for, and some medicines will be supplied.

EXAMINATION AND TREATMENT

All students registering for the first time at Bethany are advised to send a record of a recent and thorough physical examination by their family physician. Those who have not done so will be examined by the College Physician and may be required to follow his recommendations.

When medical care is needed outside the infirmary, advisory assistance in securing outside services will be given but the expense of such treatment must be paid by the student.

Students are free to employ either the College Physician or a physician of their own choice in any case of illness. Excellent physicians in all major specialties are available in Wellsburg or Wheeling.

INFIRMARY CARE

In case of need, each student is entitled to three days per semester of resident care in the infirmary with no additional charge. The cost of this service is covered by a portion of the General Fee. For periods in excess of this time, a charge of \$4.00 per day is made. Students not boarding in college dining halls will be charged \$4.00 per day for board during the period of hospitalization, beginning with the first day of admission to the Infirmary.

STUDENT HEALTH INSURANCE

The Student Health Service is not designed to cover accidents or serious illness requiring special medicine or surgical treatment or hospitalization. The College therefore makes available to its students and their parents medical, surgical and hospitalization insurance to afford reasonable protection for those cases which exceed the benefits and services extended by the College Infirmary. The cost is \$13.00 per semester, and will be included in the College invoice, unless the appropriate waiver is forwarded to the Business Office as specified.

GENERAL STUDENT REGULATIONS

The College expects all students to be responsible citizens. The regulations of the College are for the protection of the rights of all members of the College community. Students who do not accept the necessity of responsible action or are antagonistic toward the spirit and purposes of the College may be dismissed or requested to leave at any time. Detailed regulations are published in the *Student Handbook*.

The men and women of the College live under conditions intended to provide a pleasant and wholesome social life, and a reasonable amount of social recreation is encouraged. Such diver-

sions, however, may be restricted to limits considered favorable to the total welfare of the students. In the administration of regulations and policies, the college officers will be guided in the treatment of individual cases somewhat by the general attitude of the student toward the College: whether or not he has proved himself a creditable member of the college community, as shown by regularity in attendance at classes, promptness in the fulfillment of obligations, earnestness in endeavor to profit by the college opportunities and an evident awareness and practice of high standards of social and moral conduct.

Bethany specifically forbids the possession or use of alcoholic beverages on the campus, in fraternity houses, college buildings, and in any college approved off-campus housing. Any behavior resulting from the use of alcoholic beverages which is illegal or in poor taste shall be considered a violation of this regulation. Any student found guilty of a violation of this regulation may be suspended from the College.

The whole record of each student will be surveyed at the end of each semester with reference to his conduct in the community as well as his academic attainments. If the student's conduct over the past semester has been unsatisfactory and seems likely to remain so, the administration will consider whether the student is justifying his candidacy for a college degree at Bethany. *Students who do not show promise of academic accomplishment or fail to be good citizens will not be allowed to continue. It is expected that a student who earns credits at Bethany College must satisfy the faculty as to uprightness of character as well as accomplishment in scholarship.*

The Dean of Women is in charge of the general supervision of the college women, with the direct responsibility for regulation of their social life, residence and social privileges, and out of town privileges. Each residence hall for women is presided over by a house hostess or a faculty resident.

No student will be permitted to reside or board in any place which has not been listed as "approved" by the Office of the Dean of Students. Fraternity and sorority houses, private dwellings and rooms in residence halls where students are living are open at all times for inspection and appraisal as to influences and conditions relating to morals, health and social culture.

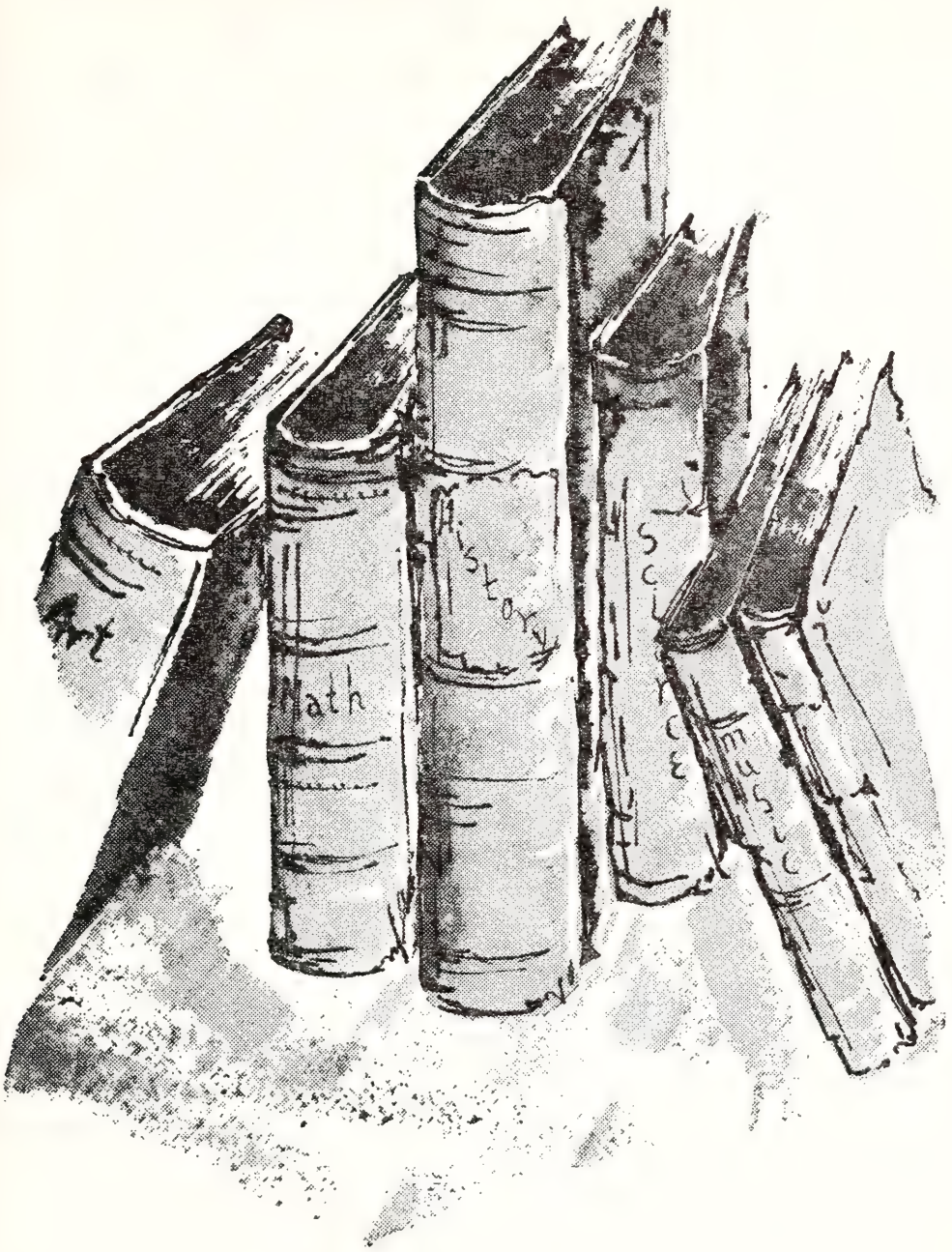
AUTOMOBILES

When students are admitted to Bethany College, the College assumes that they have attained a certain maturity with respect to personal and social responsibility. Today the automobile is a possession common to most households. Students of the College are permitted to maintain and operate automobiles at Bethany if they meet certain rigid regulations set up by the College. A student

must have written permission of parent or guardian and automobile insurance coverage as stipulated by the College. He must not only maintain a scholastic average of at least 2.25 but also demonstrate those qualities which make him a responsible citizen of the Bethany community.

Freshmen are not permitted to bring automobiles to Bethany. The freshman year may be difficult because many social and academic adjustments have to be made. Therefore an automobile cannot be brought to Bethany until the student has shown that he can manage himself and his college relationships in a capable way.

Application forms and complete information governing the maintenance and use of an automobile in Bethany may be secured from the Office of the Dean of Students.



THE ACADEMIC PROGRAM

THE BETHANY PROGRAM

BETHANY is a small, Christian church-related, liberal arts college, with high standards of academic quality for both its students and its faculty.

It is small, in order that a close relationship may exist among the students and the faculty. No student need ever be "lost" at Bethany.

It is church-related by history and tradition, and by the common purpose of all connected with the College that education be more than merely the mastery of classroom material. The best of Christian thinking, ethical values, and interpersonal understanding are constantly sought after, so that the total learning and living situation may be informed, guided, and integrated by these resources.

It is a liberal arts college, because those who have guided its destiny from the beginning have been convinced that the best foundation for success in any field of human endeavor is a broad understanding of the nature of man and his environment. Graduates of Bethany College are well-prepared for professional or other post-graduate training; for occupations demanding the ability to think logically, analyze problems, and make decisions; and above all for leading full and useful lives.

It is a college with high standards of academic quality because Bethany believes there is no substitute for academic excellence.

AIMS

Bethany College aims to assist its students in their preparation for intelligent and creative participation in contemporary living, and to direct them toward attainment of standards of excellence in scholarship, culture, and conduct.

The Faculty of the College has listed as representative of the more particular aims of the College the following:

- (1) To impart basic knowledge in various subject matter fields;
- (2) To establish sound habits of study and critical thought;
- (3) To provide opportunity for the development of health, physical fitness, good taste, poise, and courtesy;
- (4) To stimulate appreciation for the institutions and cultural contributions of mankind;
- (5) To develop social awareness and a fellow feeling for all nations and races;

- (6) To encourage creative self-expression in speaking, writing and the fine arts;
- (7) To enable the student to concentrate in an area of interest leading toward a career in one particular field.

The College undertakes to provide higher education in an atmosphere of Christian ideas and Christian faith and to assist in the development of the moral character and religious life of its students.

BETHANY PLAN

Bethany College has changed from the traditional semester plan to a modified semester system known as the Bethany Plan.

For several years the members of the Bethany academic community critically analyzed the changing trends in higher education, and the relevance of these trends to the liberal education of students. It was agreed that Bethany would make certain curricular adjustments to maintain a challenging and meaningful education for the new generation of students.

The new Bethany calendar consists of two 15 week semesters, and a voluntary interim session in January. The Fall semester starts around the first of September and ends before Christmas. The Spring semester starts about the first of February and runs until the end of May. The middle term is a voluntary session which students may elect to use for intensive study on campus or for off-campus field work. The interim session will operate through the month of January. Only those students enrolled in an approved project will be permitted in residence.

The middle term is the unique and exciting part of the Bethany Plan. During the month of January, students will be free to rest, travel, prepare independent projects or earn money through employment. Students will also have the option of participating in Bethany-sponsored academic programs which do not fit into the conventional calendar.

A list of approved interim programs for the following year is published during the Spring term. The projects, which vary from year to year, involve three basic types of activities: (1) intensive work in one area of an advanced or remedial nature, (2) off-campus field projects involving faculty and student travel and study in various areas of the United States and different parts of the world, and (3) social service and internship programs. An example of the first type of project might be a special laboratory course in physical chemistry. The second type of program might involve a group of students in the study of marine biology in Florida, or a study of the Common Market in Brussels. The third type of project might entail placing some students for work on an Indian reservation, an urban ghetto, or in a laboratory or office of a governmental agency or business firm.

The voluntary January session provides a number of opportunities for Bethany students to become actively involved in a learning situation which cannot be present in the traditional calendar.

The new Bethany Plan is both adventurous and traditional. It breaks with the custom that all education must take place in classrooms and on-campus laboratories. It shifts the burden of course selection to the student and his adviser. It is traditional in its belief that true liberal learning involves a basic familiarity with the natural sciences, the humanities and the social sciences. It is traditional in that the college still concurs with Alexander Campbell in the position that true liberal education involves the freeing of man's mind from vulgar prejudices, ignorance, and error.

STUDENT GUIDANCE

Bethany College recognizes the need of giving its entering students an introduction to their work in new surroundings, and requires freshmen to come to the campus several days before the formal registration of other students. Orientation and evaluation days are planned not only to introduce the students to the College but also to introduce the college to the students.

Freshman orientation and evaluation activities include placement and achievement tests, which enable the faculty advisers to counsel the students and to place them in the class for which they are best fitted.

From the beginning of his college career each student has a Faculty Adviser. After the freshman or sophomore year the Adviser is usually a faculty member whose special academic interests approximate those of the student. The student has ample opportunity to be in frequent contact with his Adviser, and reports of accomplishments and difficulties can be made directly to him.

The Faculty Adviser is concerned with the student's selection of courses, his academic progress, standards of conduct, and vocational plans and objectives.

The chief officer in charge of student guidance, student welfare, and the coordination of all student personnel administration is the Dean of Students. Members of his staff are available for help in career guidance, social adjustment, financial problems, plans for graduate or professional study, or personnel analysis.

VOCATIONAL COUNSELING

IN MODERN SOCIETY practically every individual must make some plans for a vocation. The faculty at Bethany College believes that the liberally educated man or woman has the best preparation to meet the challenges and opportunities in the "world at work." Against a broad, carefully planned, liberal arts background, Bethany College students can select specialized courses or

fields of concentration which will prepare them for admission to graduate and professional schools or for entrance into the world of business.

Occupational choice is dependent upon individual capacities, interests, and the current opportunities. Young people choosing a career need general and specific information about job requirements, training, and outlook. Through Faculty Advisers and guidance services of the college, Bethany students can receive such help. The Vocational Information Office under the direction of the Dean of Students, serves in the appraisal, vocational advising, and job placement of students. The students may get help in the following ways:

Vocational Information. The Dean of Students and designated Faculty Advisers are prepared to give students current information concerning vocations. In addition to this, files of material about occupations, and information about specific business, industries, and professions are available for student use.

Opportunities for vocational interest and personality tests and appraisals are offered to students to help ascertain some of the factors essential in the student's eventual occupational choice and adjustment.

Campus Interviews. To bring together employers and prospective employees the Dean of Students encourages representatives of business, industrial, and professional organizations to visit the campus and arrange interviews for those students who desire them.

Placement. The Dean of Students suggests to students the most effective procedures in seeking employment, recommends methods of writing letters of application, and offers pointers on techniques of the job interview.

Graduate Training. Students who plan to do graduate work leading to higher degrees should bear in mind that a reading knowledge of both French and German is generally required. Results of the Graduate Record Examination will be requested by the graduate schools of most universities, and by an increasing number of organizations in business and industry.

PRE-PROFESSIONAL STUDY

Bethany College offers pre-professional training in a variety of fields. A large percentage of its students select their courses to qualify them for entrance to technical or professional schools. The Faculty Adviser should be consulted to see that specific requirements of the school selected are met.

Below are listed a number of career interests for which undergraduate preparation is to be found at Bethany. The strong recommendations for liberal arts courses should be noted. They represent only a sampling of the many programs the student may elect in preparation for his life's work.

Christian Ministry. Students who plan to enter church vocations are expected to complete their preparation in seminaries and graduate schools of religion after their graduation from Bethany. Their undergraduate studies, therefore, include the fullest possible grounding in the liberal arts. Guided by the faculty committee on ministerial training, students elect courses which provide necessary pre-seminary studies in the natural and social sciences, the arts and humanities and religion. Students engaging in this pre-professional program may not ordinarily complete a sequence intended to prepare them for secular employment upon the completion of the A.B. degree.

Pre-Engineering. A broad training in the sciences and humanities provides a good foundation for students who plan future specialization in one of the branches of engineering. Students desiring to transfer to an engineering school will need to give careful attention to requirements of the engineering school they wish to enter.

By cooperative arrangement with Columbia University, Bethany offers the first three years of a five-year course and arranges for the qualified student to transfer to the School of Engineering for the last two years of undergraduate training. Upon completion of the five-year program, degrees from both institutions will be granted.

Pre-Law. Most leading law schools require no specific undergraduate courses for entrance but expect a broad training in the social sciences and humanities and in logical thinking. They recommend, however, that pre-law students take basic courses in history, political science, economics, sociology, psychology, English composition, and speech.

Pre-Medicine. Students desiring to prepare for the study of medicine will find instruction and facilities which will satisfy the entrance requirements for the best medical schools. It is recommended that the students planning to study medicine should have broad basic training in courses of general education, including foreign language, literature, philosophy, and social science. A sequence in Pre-Medical Training is planned for those who do not wish to elect a field of concentration in a single field of science.

Pre-Nursing. Increasing opportunities are open to college-trained women in the fields of public health and professional nursing both civilian and military. Bethany sponsors a cooperative

program in nursing with certain well established and highly approved schools of nursing. Three years of study and a minimum of 96 semester hours including 6 hours of Physical Education are completed at Bethany College. This is followed by the completion of a prescribed course at a collegiate school of nursing recommended by Bethany College (such as Western Reserve University, University of Pittsburgh, Columbia-Presbyterian, Cornell and others). Bethany's baccalaureate degree is then awarded at the same time as the award of the nursing degree.

A similar plan is in effect with the D. T. Watson School of Physiatics.

Pre-Dentistry. Admission requirements to dental schools stipulate at least two years of pre-professional training. It is recommended that the pre-dental student follow to a large extent the pre-medical program.

Professional Chemistry. A thorough preparation for Professional Chemistry with a complete background of training in the liberal arts is offered in a program of courses that is designed to conform to American Chemical Society standards. Independent study introduces the student to the principles of research, aiding in any contemplated graduate or industrial work following graduation.

FACULTY ADVISERS

FOR FRESHMEN

Mr. Ackerman, Mr. Allison, Mrs. Carty, Mr. Clark, Mr. Clopine, Mr. Cooley, Mr. Dawson, Mr. DeVaul, Mr. Errington, Mrs. Errington, Mr. Gaddis, Mr. Goin, Miss Gordon, Mr. Graham, Mr. Grall, Mrs. Hanna, Mr. Hauptfuehrer, Mr. Hobe, Mr. Kenney, Mr. Kimpton, Mr. Knight, Mr. Lester, Mr. Lovelady, Mr. Lozier, Miss Mathison, Mr. McAlexander, Mr. Moskovits, Mr. Myers, Miss Nicholson, Mr. Patterson, Miss Reed, Mr. Sandercox, Mr. Sawtell, Mr. Schweinfurth, Mr. Shoup, Mr. Sykes, Mr. Walters, Mr. Welch.

FOR FIELDS OF CONCENTRATION (SENIOR ADVISERS)

<i>Art</i>	MR. YOUNGREN
<i>Biology</i>	MR. LARSON
<i>Chemistry</i>	MR. DRAPER
<i>Communications</i>	MR. CARTY, MR. DRINNON, MR. LOVELADY
<i>Economics</i>	MR. JOHN D. DAVIS
<i>Education</i>	MR. SPENCE
<i>English</i>	MR. TAYLOR
<i>Fine Arts</i>	MR. HAUPTFUEHRER
<i>Foreign Languages</i>	MR. MCKENZIE
<i>History and Political Science</i>	MR. YOUNG
<i>Mathematics</i>	MR. TYE

<i>Music</i>	MR. HAUPTFUEHRER
<i>Philosophy</i>	MR. MYERS
<i>Physical Education</i>	MR. KNIGHT
<i>Physics</i>	MR. WEI
<i>Psychology</i>	MR. RAY
<i>Religion and Religious Education</i>	MR. PRESTON
<i>Sociology and Anthropology</i>	MR. SHOUP

FOR CAREER INTERESTS

<i>Dentistry</i>	MR. WEIMER
<i>Law</i>	MR. WEI
<i>Law</i>	MR. SHAW
<i>Medicine</i>	MR. WEIMER
<i>Ministry</i>	MR. PRESTON
<i>Nursing</i>	MR. WEIMER
<i>Radio</i>	MR. LOVELADY
<i>Drama</i>	MR. DRINNON
<i>Recreational Leadership</i>	MR. KNIGHT
<i>Social Work</i>	MR. SHOUP
<i>Teaching</i>	MR. SPENCE
<i>Veterinary Medicine</i>	MR. WEIMER

FOR SPECIAL SERVICES

<i>Undergraduate Fellowships and Scholarships</i>	MR. SANDERCOX
<i>Foreign Students</i>	MR. SCHWEINFURTH
<i>Gans Fund Grants</i>	MR. WEIMER
<i>Graduate Fellowships and Scholarships</i>	MR. KENNEY
<i>Honors Program</i>	MR. YOUNG
<i>Ministerial Training Awards</i>	MR. WALTERS
<i>Selective Service</i>	MISS GORDON
<i>Social and Recreational Activities</i>	MISS NICHOLSON
<i>Vocational Information and Guidance</i>	MR. SANDERCOX

GENERAL ORGANIZATION OF THE CURRICULUM AND INSTRUCTION

As a general understanding, students in the freshman and sophomore years should enroll for courses contributing to their general education. Such courses are numbered from 100 to 299. Usually a student completes many of the specific course requirements for graduation in the first two years and becomes familiar with the different fields of knowledge. He should also discover, with the aid of his adviser, the area in which he possesses most interest and ability. A general survey examination (Sophomore Comprehensive Examination) is given at the end of the sophomore year, the results of which are used for educational guidance.

FIELD OF CONCENTRATION

A large part of the student's program in the last two years will center on the field of concentration and its related fields. The core subject of the field may be confined to the work of a single

department, or may embrace work in two or more departments. The work is planned and administered as a unit under the direction of the Faculty Adviser.

REQUIREMENTS FOR DEGREES

Bethany College confers upon students who have satisfied all appropriate requirements and have maintained high standards of character the degrees of Bachelor of Arts or Bachelor of Science.

RESIDENCE

Four years are usually required to satisfy the course and residence requirements for the baccalaureate degree. Students of superior ability may complete the requirements in less time. As a rule, the senior year or the last two semesters before entering a professional school are to be spent in residence at the College (see Combination Courses, page 78). However, students who have had one full year of residence previous to their senior year, and who apply for and are approved by the Committee on Academic Review for off-campus study programs during their senior year, may be permitted to count that work toward graduation requirements.

SEMESTER HOURS

Candidates for either of the baccalaureate degrees are required to complete a total of 126 semester hours of academic work. Of this number:

- a. at least 96 must be of "C" grade or better;
- b. not more than 42 may be in any one Field of Concentration;
- c. not more than 8 may be in applied courses in any of the following Departments, nor more than 4 in any of the others, except that these limitations may be exceeded if the total in all Departments is not more than 12 or if each hour in excess of the maximum is matched by 2 hours of historical or theoretical courses in the same Department: Art, Education, Journalism, Music, Physical Education (exclusive of required activity courses), or Speech and Dramatics;
- d. not more than 65 may be transferred from institutions of junior college standing;
- e. in the case of candidates for the Bachelor of Science degree, at least 40 must be in courses in Biology, Chemistry, Mathematics, Physics, or Psychology, at least 25 of these at upper division level.

QUALITY POINTS

At least 252 quality points are required for graduation. At least 80 of these must be earned in courses numbered 300-499. Quality points are awarded on the basis of final grades received. (See "Grading System," p. 85)

DISTRIBUTION OF COURSES

Candidates for graduation are required to complete certain courses which have been designated by the faculty as basic for general education. *Additional requirements may be set as needed to fulfill programs preparatory to entrance into a profession or into graduate school.*

The following specific requirements must be met by all candidates for the baccalaureate degree:

- GROUP I
- English Composition 100 (1 semester course)
Foreign Language (reading and communication)
History 100 (1 semester course)
Mathematics 100 (1 semester course)
Physical Education (4 semester courses)
Religion 100 (1 semester course)

Work in this group will not satisfy graduation requirements in any other group.

- GROUP II
- Biology
Psychology

} Area
A

Chemistry
Physical Science
Physics

} Area
B
- One semester in each area and a minimum of two courses in one science, for a total of not less than 10 semester hours.
- GROUP III

Anthropology
Economics
Education (Ed., 201-202, 301)
History
Political Science
Sociology
- Minimum of three semester courses with some work in at least three of the above areas, for a total of 9 semester hours.
- GROUP IV

Literature
Philosophy
Religion

} Area
A

Art
Music
Theatre

} Area
C

Fine Arts
History of Art
History of Music
History of Theatre

} Area
B

A one semester course selected from Area A.

A one semester course selected from Area B.

Two additional semester courses selected from Area A, B, or C.

A total of 12 semester hours in this group is required.

These requirements may be partially or wholly satisfied by obtaining a score of 3, 4, or 5 on a CEEB Advanced Placement Test in the subject, by completion of required number of semester hours, or by an examination given under the direction of the department.

The students of the graduating classes of 1968, 1969, and 1970 will have the option of satisfying graduation requirements given in the catalog under which they entered or of the new requirements, but may not choose elements from both.

FIELD OF CONCENTRATION

Each student should select a Field of Concentration not later than after three semesters of resident academic work. If the determination of the Field is delayed beyond the fourth semester, extra academic courses may be necessary for graduation.

Each student will have the help and direction of a Senior Adviser (see p. 73) in planning his course of study in his Field, but the following specific requirements must be followed:

- (a) In core subjects of the Field at least 24 semester hours must be completed but not more than 42 semester hours will be counted toward degree requirements. At least 12 semester hours in core subjects must be in courses numbered 300-499. Grades earned in core subjects must meet a minimum requirement of cumulative scholarship index of 2.00.
- (b) At least 12 semester hours must be completed in an area related to the core subject.

The Senior Adviser will determine specific course requirements within the Field and must approve the related subjects.

The Field which a student elects determines specific requirements for the student, not only of work to be done in the Field selected, but courses to be completed in other departments. The general outline of the requirements for each Field is listed in the Curriculum section of this bulletin. Modifications may be made to meet the needs of the individual student.

SENIOR COMPREHENSIVE EXAMINATION

A comprehensive examination, both written and oral, is required of each candidate for a degree at Bethany College. While it is intended to cover the total range of the student's academic preparation, the emphasis is on the student's Field. This examination is given under the direction of the Adviser with the assistance of a faculty committee appointed by the Dean of the Faculty. Portions of the Graduate Record Examination will constitute a part of the Comprehensive Examination. A student failing the comprehensive examination is considered as failing to meet the requirements for graduation and is not graduated.

Comprehensive examinations are given once each academic year. The comprehensive examination period is preceeded by a week long reading period in which students are relieved of class attendance to prepare for the examination. Students who fail the examination are permitted to repeat it at the end of any subsequent year, provided they have paid the fee and their re-examination has been approved by the Adviser and the Committee on Academic Review. Further opportunity to take this examination *may* be given by special vote of the faculty.

A student desiring to take a comprehensive examination in a second Field of Concentration may do so provided the Advisers concerned and the Committee on Academic Review approve, and the student has paid the fee required for a special comprehensive examination. Only one reading period will be permitted to any student.

GRADUATE RECORD EXAMINATION

Students are required to take the Graduate Record Examination during the senior year. The record on this examination will be needed by students seeking admission to graduate and professional schools. The results may be considered in the awarding of graduation honors. Charges for this examination are included in the graduation and diploma fee.

COMBINATION COURSES

Special arrangements have been approved by the faculty under which students who have completed three years of work at the College may transfer to specifically approved institutions for engineering or nursing training and be eligible for graduation at Bethany on satisfactory completion of their undergraduate training at the cooperating institution.

By special arrangement with the School of Engineering, Columbia University, Bethany offers the first three years of a five year course for engineering students and arranges for the qualified student to transfer for the last two years. Upon completion of this five year program the student receives a bachelor's degree from Bethany College and from Columbia University.

Arrangements have been approved whereby Bethany students upon the completion of three years of satisfactory work in the College or ninety semester hours of work, exclusive of required physical education courses, with an approved distribution of courses, may transfer to approved university schools of nursing and physiatrics and upon the satisfactory completion of training may receive the Bachelor of Science Degree from Bethany College and the Diploma in Nursing from the School of Nursing. The student Nurse's Registry Certificate is to be filed with the Registrar before graduation is confirmed.

SUMMER SCHOOL

Credit will be given for a limited amount of work done in the summer session of another approved college or university provided the courses taken are appropriate to the liberal arts curriculum and the grades earned are "C" or higher. Permission for summer study must be secured in advance from the Registrar.

EDUCATION FOR RESPONSIBLE CITIZENSHIP

The college has provided a program in training for active citizenship through the generous support of the Maurice and Laura Falk Foundation of Pittsburgh. This program is intended to lift politics to the level of deliberate awareness throughout the student body, and to give training to a few select liberal arts and pre-professional students in the nature and art of politics at local, state and federal governmental levels in preparation for responsible citizenship irrespective of the vocations which these young people will enter.

This is accomplished through a series of summer internships in practical politics and administration which sends a selected group of students who have completed substantial training in the political sciences to the offices of party headquarters, legislators, various administrative offices and legislative reference bureaus for a period of six weeks during the summer. Most of these assignments are at the state and local levels.

The citizenship training program also embraces a series of planned visits to the campus by political individuals and groups for workshops and seminars and as guest lecturers in related classes. Political science field trips to the national capital and at least one state capital are scheduled each year as part of a study of the governmental process.

OVERSEAS STUDY PROGRAMS

Under approved supervision and direction especially qualified students may secure credit for formal work completed in foreign colleges and universities. To be eligible for study abroad, the student ordinarily must have an average grade of "B" or higher for 3 semesters.

Two foreign study programs have proven especially successful:

a. Study year in Basel, Switzerland. This program is conducted by the Regional Council for International Education of which Bethany College is a member. Courses are conducted in the English language. European History, Literature, Fine Arts and Economics are stressed. Included is an intensive study of the German language.

b. Scandinavian Seminar: After an intensive study of a Scandinavian language in the native country, students enroll in a higher institution as fully matriculated students in that country.

In addition the Department of Foreign Languages sponsors a Junior Year Abroad Program in which students concentrating in French or Spanish may take a full year of study as fully matric-

ulated students at the University of Dijon or the University of Madrid.

There are many additional programs of this type in which Bethany students have participated. The Director of International Education Programs provides to interested students information concerning programs which have been examined and approved.

SEMESTER IN WASHINGTON

Arrangements have been made for one or two advanced students in history, political science, economics or sociology to pursue studies in these fields under the direction of the American University in Washington, D. C. A student participating in this plan will take six to nine hours in regular academic work and six to nine hours in the study of government supervised by Bethany College and American University. Participants in the program must be recommended by the Adviser and have the approval of the Committee on Academic Review.

UNITED NATIONS SEMESTER

Bethany students who are interested in broadening their liberal arts study may participate in a program at the United Nations in New York City. One or two students may be chosen each year. Students participating in this program will take six hours of work in United Nations study. Half will be in a seminar course which meets regularly with people associated with the U.N. The other half will be a research project, on topics chosen by the students, using U.N. documents. Students will also be allowed to take six to nine hours of regular academic work at Drew University, Madison, New Jersey. Participants in the Program must be recommended by the Campus Coordinator for the U.N. Semester, the Faculty Adviser, and the Dean of the Faculty.

THE BETHANY HONORS PROGRAM

Bethany College has instituted an Honors Program. Any student of sophomore or junior standing, whose cumulative grade-point average is at least 3.0 may apply for admission. Other students may apply if their applications are supported by the recommendation of at least one member of the faculty. Applications for admission to the Honors Program will be acted on by the Honors Program Advisory Committee.

The principal means of achieving the purpose of this program is the Honors Seminar. During his participation in the program the student will be a member of one such student seminar each semester. The seminars represent all the principal areas of the arts and sciences.

Students participating in the Honors Program are required to satisfy college graduation requirements and, in addition, to participate in the program of Honors Seminars. Normally, students will enter the program at the beginning of the sophomore year. In no case, however, may a student enter the program later than the beginning of his junior year.

One of the most important aspects of the Honors Program in general and the Honors Seminars in particular is that several members of the faculty work as a team in conducting the seminars. Students are regarded as junior colleagues, engaged with faculty members in a common search for understanding.

Honors students may audit any course at the College without payment of the auditing fee. They may elect as many as 21 hours of courses in a semester without special permission. They may take advanced courses without special permission and without the usual prerequisites except in those cases where the Chairman of the Department rules that this exemption shall not apply. They have preference in the offering of courses of Independent Study and departmental Honors Courses.

After the Honors Student has worked out a program of studies with his Adviser, he will submit it to the Director of the Honors Program for discussion and approval.

Students participating in departmental honors programs who are not members of the Honors Program may enter Honors Seminars related to their departmental studies upon the recommendation of the chairman of their department and with the approval of the Director of the Honors Program.

A student may withdraw from the Honors Program by presenting a written request to the Honors Program Advisory Committee. The request will be recorded by the Committee and forwarded to the Registrar. The Committee also is authorized to remove any student from the Honors Program whose performance is unsatisfactory.

Bethany College assumes that many talented students will go to a university or a professional school for graduate training. The Honors Program is designed to assist in their preparation for further study, and they are encouraged to apply for the fellowships and scholarships available to outstanding college graduates.

INDEPENDENT STUDY

Each department in the college offers an Independent Study for those students who have demonstrated a proficiency to work individually on some special area of interest not covered by course work. The field of study may be selected by the student, subject to the approval of the chairman of the department.

ACADEMIC REGULATIONS

STUDENT SCHEDULES

A student ordinarily carries fifteen or sixteen credit hours of academic work each semester, but it is possible for a student to carry additional credit hours with the permission of his Adviser. No student will carry more than eighteen credit hours in any one semester unless on petition the excess is approved by the Dean of the Faculty.

COURSE CHANGE

Course changes should be made within ten calendar days after course entrance. After the first ten days, it is possible for a student to secure permission to drop a course only if the Adviser and the Dean feel that the best interests of the student will be served by such procedure.

CLASS ABSENCES

Students are expected to attend all class and appropriate laboratory meetings of a course and to participate in all outside activities that are a part of the course. According to faculty ruling the following uniform system has been adopted to be used in connection with class absences.

1. Attendance for each class will be reported daily to the Office of the Registrar.
2. Freshmen and students on probation will be held strictly accountable for attendance at every class meeting. Excused absences are granted only in the event of serious personal or family emergencies, or authorized college events. A bi-weekly list of excused absences is issued by the Office of the Dean of Students.
3. For upperclass students not on probation, the demands of each course and the progress of the individual student will be the governing factors in class attendance requirements. *Any student who jeopardizes his progress by avoidable absences may be placed on probation. In the event of continued disregard for this understanding, he will be dismissed from college.*
4. No check will be made of the class attendance of those students who maintain a quality point average of 3.5.
5. If a student's total absences, *both excused and unexcused*, exceed one-fourth of a course, the instructor may report a grade of WF, dropping the student from the course.

REGISTRATION

In mid spring the College conducts its annual registration for both semesters of the following academic year. Freshmen will register during the summer which precedes their entrance. Opportunity is provided the first day of each semester for necessary changes in student programs. These changes are made on formal petition of the student and are not encouraged. A charge is made for each day of delay.

Every student is to be registered for every course he attends. This applies to courses taken for credit or audit.

WITHDRAWAL

An honorable dismissal will be granted to any student in good standing and not subject to discipline who may desire to withdraw from the College if he has satisfied his Adviser and a responsible Officer of the College that there is a good reason to justify such action. Students asking to withdraw should present such a request to the Dean of Students in writing with a statement of approval from parent or guardian. The recommendation of the Dean of Students will next be presented to the Business Manager and then to the Registrar for final record. No withdrawal will be considered complete until this procedure has been carried out.

FINAL EXAMINATIONS

All students are required to take the final examination in each course for which they are registered. Students who are taking the Senior Comprehensive Examination are excused from final examinations in all courses of the semester in which the comprehensive examination is taken.

SPECIAL EXAMINATIONS

A student justifiably absent from a final examination or a test given in connection with the regular class work, with the consent of the instructor and approval of the Dean of the Faculty, may be permitted to take a special test without payment of fee. Fees for special examinations must be paid at the Business Office before the examinations are taken and the proper receipt must be presented to the instructor at the time of the examination.

GRADING SYSTEM

Grades given and their equivalents in quality points are:

A	4.00	C	2.00
A—	3.75	C—	1.75
B+	3.25	D+	1.25
B	3.00	D	1.00
B—	2.75	D—	.75
C+	2.25	F	.00

Grades mean: A, Excellent; B, Good; C, Satisfactory; D, Inferior; F, Failure.

Other report abbreviations and their meanings are:

- F. Failure. No quality points; denotes work that is definitely unsatisfactory and the course not passed.
- Con. This abbreviation denotes conditional failure. The student is granted the privilege of taking an examination to remove the condition or, in case of a continuous course, it may be automatically removed if the student makes a grade of "C" or better the following semester. Failure to do so within the following semester will result in the grade being changed to "F." Regardless of the manner of removing the condition, no grade higher than "D" will be allowed.
- Inc. This abbreviation denotes work not completed as a result of sickness or some other justifiable reason. An incomplete mark must be removed by the end of the fourth week in the following semester, unless an extension of time is granted by the Dean of the Faculty. It is not possible for a student to remove an incomplete mark after twelve months. Students will not be permitted to use the January term in residence to make up incompletes.
- W. Withdrawn.
- WF. No quality points; indicates a course dropped with permission after the fifth week of the semester with student failing at the time of withdrawal. A grade of WF has the same effect on the student's grade-point average as an F.

A report of the scholastic standing of students is received at the Office of the Registrar at mid-semester in addition to the final semester reports. These reports are sent to the faculty Adviser and to parents or guardian of each student.

CLASSIFICATION OF STUDENTS

The classification of students is determined according to the following plan: For sophomore rank a student must have at least twenty-five hours of academic credit and forty-three quality points. Admission to full junior standing is conditioned upon the student's having at least sixty hours of academic credit and one hundred and eight quality points; and he must have passed the Sophomore Comprehensive Examination. For senior class rank the student must have at least ninety-four hours of academic credit and one hundred and eighty-eight quality points.

No student is considered as a candidate for the baccalaureate degree until he has been granted senior classification, until he has filed an Application to take the Senior Comprehensive Examination in the Field of Concentration, and until he has filed an Application for a Degree.

PROBATION

The term "on probation" is applied to students who are allowed to continue in college after having failed to meet the standards expected by the faculty and administration. Students may be placed on probation for any or a combination of the following causes.

a) Unsatisfactory scholastic record during the semester or preceding semesters.

The following academic bases will be used to determine "probation" each semester:

Freshmen must achieve a cumulative grade of at least 1.7, Sophomores 1.8, and Juniors and Seniors 2.0.

b) Unsatisfactory class attendance during the semester or preceding semester.

c) Unsatisfactory conduct at any time.

"Probation" is intended to be a serious warning to the student and to the parents or guardians that the student's record is unsatisfactory and that unless significant improvement is made the student will be asked to withdraw from the college. At the end of a semester on probation the student's total record is reviewed, and his continued enrollment will depend upon the current trend of academic performance, total progress towards graduation in relation to aptitudes, contributions to campus life, and factors relating to personal adjustment. The Committee on Academic Review may dismiss any student if, in its judgment, the student is not likely to meet the requirements for graduation in the usual period of four years. An extension of the four-year period shall be granted only when there are extenuating circumstances.

Students on probation may be declared ineligible for participation in athletic or other student activities. While on probation a student is not eligible to receive any grant from college scholarship or loan funds. A student on probation may not have or operate an automobile.

TRANSFER OF RECORDS

Students wishing to transfer to another institution should request the Registrar to send an official transcript of record and notice of honorable dismissal. The request should be made at *least one week before the transcript is needed*. One transcript is

furnished for each student without charge; for each additional transcript a fee of \$1.50 is charged. This fee must accompany the request. All financial obligations to the college must be paid before a transcript can be issued.

CHANGES IN REGULATIONS

The College reserves the right to amend the regulations covering the granting of degrees, the courses of study and the conduct of students. *Membership in Bethany College and the receiving of a degree are privileges, not rights.*

The College reserves the right, and the student concedes to the College the right, to require the withdrawal of any student at any time without explanation.

INVALIDATION OF CREDITS

Courses completed either in Bethany College or elsewhere, more than ten calendar years before the date of proposed graduation, will not be accepted for credit toward graduation. All candidates are expected to comply with the requirements for degree in effect at the time of acceptance of the application for degree. With the approval of the Committee on Academic Review and the payment of the required fee the candidate may take examinations, as administered by the various departments, for courses included in the current curriculum, to re-instate academic credit that may have been declared not valid because of date.

CURRICULUM

Courses marked with an asterisk * are offered in alternate years.

AMERICAN STUDIES

AIMS

Seeks an informal synthesis of the main intellectual forces which have shaped American life throughout our history. A student who selects this Field is expected to understand changes in political and social institutions, concepts of economic organization, the competing myths and ideologies, and social action movements which are in the American tradition. He is expected also to be familiar with classic documents, essays, criticism, and aesthetic writings in the American experience. In addition to the basic courses in history and literature, the candidate will take from other departments related courses in American political thought, drama, art, economics, philosophy, and anthropology.

REQUIREMENTS FOR FIELD OF CONCENTRATION

For a Field a student would be required to have a minimum of nine hours credit in American history and nine hours of American literature; a minimum of nine hours chosen from among Political Science 325, Economics 201 or 202, Art 337, Philosophy 405 or 406, Sociology 201, and Speech 301.

Specialized courses in the Field are being introduced in the 1968-69 session.

ART

AIMS

To present to the student a variety of studio problems to develop his artistic potential; to offer a comprehensive survey of the historic development of the visual arts; and to provide a center which possesses an atmosphere that encourages the student to acquire standards of evaluation and practice in the appreciation and application of the plastic arts.

REQUIREMENTS FOR FIELD OF CONCENTRATION

To concentrate in the field a minimum of 24 semester hours of credit are required. At least one third of the total number of hours in the field must be art history courses and at least one third

must be studio courses. Two semesters of Senior Seminar are required. Courses counted in the field must number 241 or above.

Bethany College Art Department reserves the right to retain as many as three works by each student from each class. These works will be added to a Collection of Student Art and will be used to enhance the campus.

ART 201 INTRODUCTION TO ART (I) (3 hrs.) A lecture and laboratory course designed to introduce and acquaint the student with the basic elements of art, its fundamental underlying structure and to the variety of the artist's media. A basic course emphasizing the theory and practice of two-dimensional design. No prerequisite.

ART 202 INTRODUCTION TO ART (II) (3 hrs.) A continuation of Introduction to Art I emphasizing the theory and practice of three-dimensional design. Basic design experience with lines, planes, solids and space using construction and sculpture materials. No prerequisite.

ART 241 BEGINNING DRAWING AND COLOR (3 hrs.) Basic course work in the theories and practice of two-dimensional design. This gives the student a fundamental view of past and present visual expression. Media include charcoal, pencil, tempera paint, ink, brush, construction paper, and others. Open to all students. 1 hr. lecture; 5 hrs. studio work.

ART 242 BEGINNING SCULPTURE (3 hrs.) Creative expression in, and theories of three-dimensional design. Attempts through work with solid forms and volumes to establish a basis for evaluation of sculpture and three-dimensional design both past and present. Open to all students. 1 hr. lecture; 5 hrs. studio work. Prerequisite: Art 241 or permission of the Chairman of the Department.

***ART 301 CERAMICS (3 hrs.)** Basic techniques of designing, building and glazing ceramics. Individual projects carried on according to the student's ability. Prerequisite: Art 242 or permission of the Chairman of the Department. Offered in 1968-69.

ART 302 DRAWING (3 hrs.) Concentrated activity in academic drawing using a variety of drawing media. Primary emphasis will be placed on the still life, landscape and the human form. Prerequisite: Art 241 or permission of the Chairman of the Department.

ART 303 OIL PAINTING (3 hrs.) Basic techniques using still life, landscape, and the human form as subject matter. Prerequisite: Art 241 and 302 or permission of the Chairman of the Department.

ART 304 SCULPTURE (3 hrs.) Creative expression in three-dimensional forms. Students will work with materials that are readily available and easily handled, such as wood, wire, plaster and clay. Prerequisite: Art 242 or permission of the Chairman of the Department.

ART 305 GRAPHICS (3 hrs.) An introduction to printmaking processes emphasizing creative expression through such media as the block print and the serigraph. Prerequisite: Art 241 and 302 or permission of the Chairman of the Department.

ART 306 WATERCOLOR PAINTING (3 hrs.) Basic techniques using still life and landscape as subject matter. Prerequisite: Art 241 and 302 or permission of the Chairman of the Department.

ART 335 ANCIENT AND MEDIEVAL ART (3 hrs.) A survey of artistic activity from the Paleolithic Age to 1400. Emphasis will be placed on the contributions of the near eastern cultures, Classic Greece, and Republican Rome as well as Early Christian, Romanesque and Gothic styles. An outline of the scope of each area will be presented along with a specialized concern for at least one aspect of artistic development in each cultural area.

ART 336 WESTERN ART OF THE 14TH-17TH CENTURY (3 hrs.) The development of art in the North and South of Europe covering specific aspects of the art of the Renaissance, Mannerism and Baroque.

ART 337 WESTERN ART OF THE 18TH-20TH CENTURY (3 hrs.) The presentation of artistic endeavor from the beginning of Neo-Classicism to the present day in Europe, America and related countries. Emphasis will be placed on Impressionism, Post-Impressionism, Cubism and later developments.

ART 342 ELEMENTARY TEACHERS WORKSHOP (2 hrs.) A workshop dealing with materials and projects for children of elementary grade age levels.

ART 477-478 SENIOR SEMINAR (1 hr.) Required of all students concentrating in the field. A survey of Art for review and interpretation of the particular problems of this field.

ART 480 METHODS AND MATERIALS OF TEACHING ART (3 hrs.) Methods, materials and techniques pertinent to the teaching of Art in the high school.

ART 481-484 ART PRACTICUM (1 to 4 hrs.) An art theory course emphasizing the function and use of museums, collections and temporary exhibitions. The group will make one or more field trips per semester. Expenses must be met by students participating. Prerequisite: One Art History course or permission of the instructor. Preference will be given to Art majors.

ART 487-488 INDEPENDENT STUDY (1 to 3 hrs.)

ART 491-492 HONORS COURSE (1 to 3 hrs.) Designed for seniors of superior ability and achievement who are concentrating in Art.

ASTRONOMY

ASTRONOMY 102 (3 hrs.) A course in descriptive astronomy. This non-technical course in beginning astronomy includes such topics as the solar system, satellites, eclipses, constellations, the galactic system, and exterior systems.

BIOLOGY

AIMS

To acquaint the student with the living world around him and the fundamental dynamic life processes; to demonstrate scientific methods of approach to problem solutions; to cultivate an attitude of inquiry and research; to develop laboratory skill in various types of work in zoology and botany; and to train students as teachers of biology and for certain professional work related to this field.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN BIOLOGY

A minimum of twenty-eight semester hours in the Department of Biology, and a minimum of twelve semester hours of chemistry, at least four of which are organic chemistry. Six hours of physics is highly recommended. German or French should be elected to meet the graduation requirement for foreign languages.

Students who plan to teach or become professional biologists should elect the following sequence of courses: Biology 103-104, 201, 228, 303, 326, 338, 343, 365, 367, 399, 400, 425, 442, 477, and 478.

Students preparing for work in medicine, dentistry, nursing or as laboratory technicians should elect the following sequence of courses: Biology 103-104, 201, 303, 343, 367, 399, 400, 440, 442, 477, and 478.

The sequence of courses is subject to approval of the Department Chairman.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN PRE-MEDICAL TRAINING

A minimum of twenty hours in the Department of Chemistry which must include Chemistry 101-102, 301-302; sixteen hours of biology, which must include Biology 103-104, 201 and 303, and eight hours of physics.

Sequence of courses subject to approval of the Senior Adviser.
BIOL. 103 ANIMAL BIOLOGY (3 hrs.) An examination of the phylogenetic sequence in the animal kingdom. Emphasis is placed on the fundamental structures of animals, including man, their functions and an introduction to genetics.

BIOL. 104 PLANT BIOLOGY (3 hrs.) An examination of the plant kingdom with special emphasis on ecology, and the biochemistry and physiology of the cell.

BIOL. 155 INTRODUCTION TO APPLIED MICROBIOLOGY (2 hrs.) An introduction to the study of micro-organisms and their relation to medicine, surgery, and public health. Discussion and laboratory work. Not open for Biology majors.

***BIOL. 167 INTRODUCTION TO MAMMALIAN ANATOMY AND PHYSIOLOGY** (3 hrs.) Mammalian anatomy as exemplified in the cat. Discussion and study of the functioning of the tissues and organ systems of the human body. Laboratory study of the anatomy of the cat, and human physiology. Discussions, demonstrations, and individual laboratory work. Registration restricted to students preparing for nursing and majors in physical education or by permission of the Chairman of the Department. Offered in 1968-69.

BIOL. 201 COMPARATIVE VERTEBRATE ANATOMY (4 hrs.) Comparative anatomy of the representative forms of vertebrates; laboratory study of the comparative anatomy of the shark, some lower vertebrates, and cat. Prerequisite: Biology 103. Recommended for all pre-medical students.

***BIOL. 228 FIELD BOTANY** (3 hrs.) The identification of plants from the field using keys. Morphology and botanical terms will be covered to the extent that the keys can be used successfully. Prerequisite: Biology 104 or a course in biology at secondary school level.

BIOL. 303 GENERAL GENETICS (3 hrs.) A synthesis of basic principles and modern molecular theory. Facility with simple mathematics is highly desirable. Prerequisite Biology 103-104 or by permission of instructor.

BIOL. 326 ECOLOGY (3 hrs.) A study of the general principles of bioecology of plants and animals. Considerable time will be spent in the field. Special emphasis will be placed on field study of one particular community.

***BIOL. 338 ADVANCED BOTANY** (3 hrs.) The morphology of the vascular plants together with a study of the fundamental life processes of plants; growth, irritability, nutrition, metabolism, and hormonal control. Prerequisite: Biology 104. Offered in 1968-69.

BIOL. 343 BACTERIOLOGY (3 hrs.) Morphology and physiology of yeasts and bacteria; principles of laboratory technique; cultural characteristics and environment influences on bacterial growth.

***BIOL. 365 INVERTEBRATE ZOOLOGY** (3 hrs.) The invertebrate animals including phylogeny and morphology. A laboratory study of representative forms of invertebrates will be made. Prerequisite: Biology 103.

BIOL. 367 ANATOMY AND PHYSIOLOGY OF THE CELLS (3 hrs.) An introduction to the structural organization and the important aspects of cell physiology in the light of modern biochemistry and biophysics.

BIOL. 399-400 JUNIOR SEMINAR IN BIOLOGY (1 hr.) An introduction to the fields of Biology and to biological literature and research. A required course for those students of junior standing whose Field is Biology. To be taken both semesters in the junior year.

BIOL. 402 MARINE BIOLOGY (4 to 6 hrs.) Credit may be given for summer courses taken at the Marine Biological Station at Woods Hole, Massachusetts, or at any other station of similar rank.

***BIOL. 425 ANIMAL PHYSIOLOGY** (3 hrs.) Structure and functions of the human body; the mechanism of bodily movements, responses, reactions, and various physiological states. Prerequisites: Biology 104 and 201 or by permission of the instructor.

BIOL. 428 TROPICAL ECOLOGY (2 to 3 hrs.) The study of the plant and animal ecological relationships in a Tropic Zone. This course will be offered between semesters. (January Term) Prerequisite: Biol. 103-104 or by permission of the instructor.

***BIOL. 440 HISTOLOGY** (3 hrs.) Structure of the cell and its modification into various tissues with special attention to the theory and practice of general histological techniques. Prerequisites: Biology 103-104 and 201.

BIOL. 442 VERTEBRATE EMBRYOLOGY (4 hrs.) Development of the tissues and organs in vertebrates; embryos of chick and pig studied in the laboratory. Prerequisites: Biology 103 and 201.

BIOL. 477-478 SENIOR SEMINAR IN BIOLOGY (1 hr.) Current literature relating to investigations in various fields of biology. Prerequisites: Twenty-two credit hours in biology. Open only to students of senior standing. Required for Field in Biology. To be taken both semesters of the senior year.

BIOL. 480 METHODS AND MATERIALS IN TEACHING BIOLOGY (3 hrs.) The aims and methods of teaching biology in the secondary schools. Special attention will be given to teaching general laboratory procedures and techniques of teaching. Prerequisite: Sixteen hours in the department. Offered on demand.

BIOL. 487-488 INDEPENDENT STUDY (1 to 3 hrs.)

BIOL. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced theoretical and experimental work in biology; an introduction to research. Prerequisites: Biology 101-102; 201. Enrollment limited to students concentrating in Biology who are seniors of superior ability and achievement. Permission of the Chairman of the Department required.

CHEMISTRY

AIMS

To contribute to the student's general culture, his understanding of the nature of the physical world and his understanding of the place of chemistry in industrial and business life; to provide experience in the scientific method of reasoning; and to provide students concentrating in this field with a thorough and practical education in chemistry which may be useful in industrial, technical and graduate work.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty-five semester hours in this department including Chemistry 101, 102 or 110, 301-302, 439-440, 451, 477-478; also Mathematics 201-202 and Physics 101-102. German or French should be elected to meet the graduation requirement for foreign language. The sequence of courses is subject to the approval of the Department Chairman.

A course of study designed to conform to the American Chemical Society standards is required for those students who plan to become professional chemists or plan to enter graduate work in chemistry. Under this plan, in addition to the chemistry, mathematics and physics requirements listed above for a field of concentration in chemistry, Chemistry 450 and 452 plus two additional semesters of other upper division courses in chemistry and two years of German must also be elected. Mathematics through differential equations, Math. 425-426, is strongly recommended. In addition to the German, a year of French is strongly recommended for those students planning to do graduate work. Among the electives, at least 18 semester hours, exclusive of English and modern language requirements, are required in the humanities.

The entering freshman who is interested in chemistry, should be sure to select Chemistry 101, Mathematics 101, 103 or 201, English 101, German 101 or 201, Physical Education 101 and 3 hours of an elective. Programs for subsequent semesters must be decided in conference with the faculty Adviser for chemistry.

CHEM. 101-102 GENERAL CHEMISTRY AND INORGANIC QUALITATIVE ANALYSIS (4 hrs.) A study of theoretical and descriptive inorganic chemistry and the principles of qualitative analysis. Laboratory work during the first semester is a systematic qualitative scheme of analysis for the cations and anions and during the second semester it is concerned with selected experiments in basic chemical principles and quantitative procedures. Prerequisites: Two units of mathematics or concurrently with Mathematics 101-102. Three lectures and three hours of laboratory per week.

CHEM. 103 INTRODUCTION TO CHEMISTRY (3 hrs.) An introductory course in the principles and applications of inorganic and organic chemistry. Not open to students concentrating in a science. Two lectures and three hours of laboratory per week.

CHEM. 110 INORGANIC CHEMISTRY AND ELEMENTARY QUANTITATIVE ANALYSIS (5 hrs.) A more advanced study of the topics considered in Chem. 102 in addition to elementary quantitative analysis. The laboratory work is quantitative analysis. This course may be substituted for Chem. 102. Prerequisite: Chem. 101 and approval of the instructor. Three lectures and six hours of laboratory per week.

CHEM. 301-302 ORGANIC CHEMISTRY (4 or 5 hrs.) An introductory course in the study of the organic compounds of carbon, both aliphatic and aromatic, involving a considerable amount of the electronic mechanisms of organic reactions. The laboratory work consists largely of organic preparations. Prerequisites: Chem. 101-102 or Chem. 101-110. Three lectures and three or six hours of laboratory per week.

CHEM. 425 ORGANIC QUALITATIVE ANALYSIS (3 hrs.) A course in organic analysis with the emphasis on qualitative analysis. Prerequisites: Chem. 301-302.

One lecture and six hours of laboratory per week.

CHEM. 439-440 PHYSICAL CHEMISTRY (5 hrs.) A study of theoretical chemistry including the following topics: gaseous state, atomic and molecular forces, crystalline state, physical properties and molecular structure, thermochemistry, thermodynamics, liquid state, solutions of electrolytes and non-electrolytes, chemical equilibria, phase diagrams, chemical kinetics, conductance, electromotive force, ionic equilibria. Prerequisites: Chem. 301-302; Physics 101-102 and Mathematics 201-202.

Four lectures and three hours of laboratory per week.

CHEM. 442 ADVANCED ORGANIC PREPARATIONS (1 or 2 hours) Organic syntheses, individually assigned, of an advanced nature. Prerequisite: Chemistry 301-302.

Three hours or six hours of laboratory per week.

CHEM. 450 ADVANCED INORGANIC CHEMISTRY (3 hrs.) The chemistry of certain elements and their compounds is studied and interpreted on the basis of modern theories of atomic and molecular structure. Prerequisite: Chem. 439.

Three hours of lecture per week.

CHEM. 451 QUANTITATIVE ANALYSIS (5 hrs.) The lectures cover a review of the stoichiometric and energy relations related to analytical chemistry and deal with the control of equilibria in solutions and the theory of redox determinations. The laboratory work deals with advanced gravimetric and volumetric techniques and complexometric titrations. A study of the precision and accuracy of balances is also presented. Prerequisite: Chem. 439-440.

Three lectures and six hours of laboratory per week.

CHEM. 452 INSTRUMENTAL ANALYSIS (2 hrs.) Laboratory practice with specialized instrumentation for obtaining quantitative data quickly. The operation of the following instruments will be taught: infrared, visible and ultraviolet spectrophotometers; gas and wet column chromatography; polarography, electrometric titrations; use of polarizing microscope and isotope scalars. Practice will also be given in the interpretation of NMR spectra. Prerequisite: Chem. 451.

One three-hour laboratory period plus a one-hour briefing period per week.

CHEM. 460 ADVANCED ORGANIC CHEMISTRY (2 hrs.) The study of selected advanced topics in organic chemistry with emphasis on the mechanisms of organic reactions. Laboratory will be introduced as appropriate and will stress newer techniques both of an instrumental and non-instrumental nature. Prerequisites: Chem. 301-302 and Chem. 439-440.

Two lectures or one lecture and three laboratory hours per week.

CHEM. 470 CHEMICAL THERMODYNAMICS (2 hrs.) A more detailed study of chemical thermodynamics. Prerequisites: Chem. 439-440. Two hours of lecture per week.

CHEM. 472 CHEMICAL KINETICS (2 hrs.) A more detailed study of chemical kinetics. Prerequisites: Chem. 439-440. Two hours of lecture per week.

CHEM. 477-478 SEMINAR IN CHEMISTRY (1 hr.) A survey of the fields of general, analytical, organic and physical chemistry and an investigation of the current literature relating to research in these areas. Required of all students with a Field of Concentration in Chemistry.

CHEM. 487-488 INDEPENDENT STUDY IN CHEMISTRY (1 to 3 hrs.)

CHEM. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced theoretical and experimental work in chemistry; an introduction to research. Enrollment is limited to seniors of superior ability and achievement. Permission of the Chairman of the Department is required.

COMMUNICATIONS

AIMS

The Field of Communications is not the responsibility of a separate faculty, but draws upon the faculties and curricula of the Departments of English, Journalism, Speech and Drama. Its aims are to help students integrate oral and written forms of communication in an inter-disciplinary approach and to enable them to develop an understanding and a philosophy of communication in a liberal education setting.

REQUIREMENTS FOR FIELD OF CONCENTRATION

All students concentrating in Communications must take Speech 201, Speech 302, Journalism 201, and Philosophy 365. Students are required to complete a minimum of 12 semester hours of English beyond English 103, and at least 24 hours in Journalism and Speech-Drama. The courses in Journalism and Speech-Drama

must include at least 12 hours of advanced courses and a sequence distribution of 15 hours in one of these two fields and nine hours in the other.

Recommended sequences for students interested in particular areas of specialization include:

Theater: English 306, English 305, English 353, English 401-402, Speech 301, Speech 365, Speech 366, Speech 401, Journalism 304, Journalism 316.

Mass Media: English 306, English 305, English 392, English 341-342, English 353; Journalism 303-304-305, Journalism 310, Journalism 316, Journalism 325; Speech 202, Speech 301; Philosophy 202.

Informational Positions in Education, Government, and Business, or Advertising-Public Relations Work with specialized agencies: English 306, English 305, English 353, English 341-342, Journalism 303-304-305, Journalism 310, Journalism 316, Journalism 325; Speech 202; Philosophy 202.

Students electing a field of concentration in Communications are expected to participate extra-curricularly in at least some of the performing and practice activities in the theater, student publications and radio.

ECONOMICS

AIMS

The courses are intended to provide students with background for better understanding of current economic and social problems, and thus prepare them for intelligent citizenship; to train students for effective work in business, industry, or government; and to lay a solid foundation for graduate study and teaching in the field.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Requirements within the department:

- 1) minimum of 29 hours in the department
- 2) The following core courses:

Economics 201-202	Principles of Economics	6
Economics 301-302	Intermediate Economic Theory	6
Economics 265	Introduction to Accounting	3
Economics 329	Principles of Money and Banking	3
Economics 478	Seminar in Economics	2

3) A Senior paper

A student must attain a grade of at least C in Economics 201 and 202 before he may enter the Field of Economics

Other Requirements:

- 1) Completion of one semester of calculus by the middle of the Junior year
- 2) Completion of a one semester course in Statistics offered in either the Mathematics department or the Economics department

Additional Information

Students who desire to pursue graduate work in Economics should elect Economics 441, Economics 331 and additional work in Mathematics.

Students who desire to pursue graduate work in business administration or who plan on careers in public or private administration should elect the following: Economics 320, Economics 325, Economics 431, and Economics 266.

ECON. 126 PERSONAL FINANCE (2 hrs.) Checking accounts, charge accounts, installment buying, planning a budget, financing a home, investing in securities, buying insurance, making a will, starting a business, and other financial problems confronting the college graduate.

ECON. 201-202 PRINCIPLES OF ECONOMICS (3 hrs.) The fundamentals of economics; their application to economic, social and political conditions of today is stressed to give the student an intelligent outlook on current problems.

ECON. 265-266 INTRODUCTION TO ACCOUNTING (3 hrs.) Principles and methods of accounting for different types of business organizations. This course is indispensable for general business training.

ECON. 301-302 INTERMEDIATE ECONOMY THEORY (3 hrs.) An advanced survey of the elements of economic theory, primarily for students concentrating in Economics. First semester: price determination, income distribution, and resource allocation, under conditions of competition, monopoly, and monopolistic competition; second semester: the theory of national income and employment determination, business cycles, inflation, economic stagnation, and economic growth. Prerequisite: Economics 201-202.

***ECON. 320 PRINCIPLES OF MARKETING AND DISTRIBUTION (3 hrs.)** The marketing function of the manufacturer, wholesaler, jobber, retailer, mail-order house, chain store and other marketing institutions; cost of distribution; problems of marketing management and planning; modern trends in marketing. Offered in 1967-68.

*ECON. 325 PRINCIPLES OF BUSINESS FINANCE (3 hrs.) Planning financial requirements for business firms. Financing current operations and long term needs. Investment institutions; how leaders and investors evaluate business. Corporate securities.

ECON. 329 MONEY, CREDIT AND BANKING (3 hrs.) The principles of monetary and banking theory as they exist at present and a survey of banking practices; intended to give a thorough understanding of contemporary money, credit and banking problems. Prerequisite: Economics 201-202.

ECON. 331. INTERNATIONAL TRADE AND FINANCE (3 hrs.) The principles of international trade and finance and their application to the modern world; the theory of comparative advantage; exchange rates, monetary standards, and international financial institutions; tariffs and commercial policy; capital movements; aid to underdeveloped countries. Prerequisite: Economics 201-202.

ECON. 361 QUANTITATIVE ANALYSIS (3 hrs.) A course designed to introduce the student to the techniques of differential and integral calculus and matrix algebra with emphasis on their application to economic analysis. A thorough knowledge of high school algebra and plain geometry or a college level course in mathematics is assumed. All techniques relating to the calculus and matrix algebra will be developed in the course. This course is recommended for students considering graduate study in economics or business administration. Prerequisite: Economics 201-202.

*ECON. 365 DATA PROCESSING AND THE ACCOUNTING SYSTEM (2 hrs.) A study of the principles and application of equipment used in processing data with emphasis on Managerial Accounting. Interpretation of financial data and the application of accounting in the various fields of Economics and the other quantitative disciplines. Approval of the instructor required. Offered in 1967-68.

ECON. 368 BUSINESS CYCLES AND FORECASTING (3 hrs.) A course designed to analyze the nature, characteristics, and measurement of business cycles; the problem and techniques of forecasting business conditions, and consideration of policies for developing economic stability within the economy. Prerequisite: Economics 201-202.

ECON. 375 THE ECONOMICS OF GROWTH AND DEVELOPMENT (3 hrs.) A seminar in theories of the economic development of technologically backward countries. Students will have an opportunity to apply analytical tools to specific countries in Asia, Africa and Latin America.

ECON. 381 ELEMENTARY ECONOMIC STATISTICS (3 hrs.) (See Math 381).

ECON. 431 LABOR ECONOMICS (3 hrs.) A general course in labor economics and industrial relations; employment and unemployment; wages, hours, and productivity; history and objectives of organized labor; managerial labor policies; collective bargaining; current social, economic, and political aspects of labor-management relations.

ECON. 441 HISTORY OF ECONOMIC THOUGHT (3 hrs.) Outstanding writers and their ideas are studied in relation to the conditions that led to important changes and developments in economic thinking; current trends of thought. Recommended to non-economics majors.

ECON. 444 COMPARATIVE ECONOMIC SYSTEMS (3 hrs.) The theoretical systems of capitalism and Marxian and non-Marxian socialism; actual economic systems exemplifying these theoretical modes, studied in terms of their historical evolution. Recommended to non-economics majors.

ECON. 478 SEMINAR IN ECONOMICS (2 hrs.) Economic problems are studied on an advanced level for the purpose of supplementing and correlating work done in other courses. Occasional special lectures and field trips, expenses to be met by the participating students. Open only to seniors concentrating in the Department.

ECON. 487-488 INDEPENDENT STUDY IN ECONOMICS (1 hr.)

ECON. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced projects and minor research studies. Readings, conferences and reports on a field of special interest. Enrollment limited to seniors of superior ability and achievement concentrating in this field. Permission of the Chairman of the Department required.

EDUCATION

AIMS

To coordinate with other departments in providing prospective elementary and secondary teachers with balanced programs of preparation based on a thorough background in the Liberal Arts; to promote maximum utilization of College and public school resources for students' personal and professional development; to emphasize sound principles of effective teaching based on research in human development and learning: to prepare prospective teachers

to utilize newly developed curricula, methods, and materials being adopted by progressive schools; to stimulate thinking about problems in education; to prepare graduates to continue their study in graduate school if they so desire.

REQUIREMENTS FOR TEACHER EDUCATION

A student preparing for elementary or secondary school teaching must plan to complete: (1) the distribution requirements described on page 77, (2) a selection of courses providing appropriate subject matter background for his teaching, and (3) a program of professional education courses and experiences designed to give a broad understanding of concepts and skills in teaching.

All states have teacher certification requirements affecting some or all of the above areas. Each student must plan to meet the certification requirements of at least one state. Those preparing to teach in West Virginia will follow special state-approved programs which require a full four years of planned work, so it is especially important to begin such planning early in the freshman year. In any case it is the student's responsibility to seek appropriate counseling and become familiar with all of the above requirements which apply to him.

Leadership of children and youth groups, e.g., summer camp, scouts, church school, playground supervision, etc., are strongly recommended for students planning to teach.

FIELD OF CONCENTRATION IN ELEMENTARY EDUCATION

Professional education courses are usually taken in the following sequence: Sophomore year—Ed. 201, 202, 242; Junior year—Ed. 341, 345, 376; Senior year—Ed. 443, 346, 301 and Psych. 332 (Psych. 101 is prerequisite for 332). The senior year courses, including student teaching, are taken the first semester and comprise a fifteen semester hour professional block in elementary education.

Additional courses in Education and other departments will be included to provide competency in special areas of elementary teaching and to meet individual needs and interests. At least 12 hours are required in a related area of subject specialization to qualify teachers for departmental or team teaching. This background will also enable graduates to pursue an academic area in a graduate program, which is now required for permanent certification in a number of states.

Course selection and sequences are subject to approval by the Department.

SECONDARY EDUCATION

Bethany College prepares junior and senior high school teachers in the field of art, biology, chemistry, physics, general science, English, foreign languages, health and physical education, journalism, mathematics, social studies, and speech. Combinations of fields are often advisable from the standpoint of employability.

A Field is not offered in secondary education as such. Students preparing to teach in secondary schools elect one or two academic fields representing their choice of teaching fields and an *area* in secondary education.

Professional education courses are usually taken in the following sequence: Sophomore year—Ed. 201 (required for West Virginia and some other states), Ed. 202. Junior year: Ed. 378, ... 480, Methods and materials in teaching a particular subject field. Senior year: Ed. 475, 301, 328, and Psych. 332 (required if Ed. 201 is not taken; Psych. 101 is prerequisite). The senior year courses are taken the first semester and comprise a fifteen semester hour professional block in secondary education. Additional education courses may be included to meet certification requirements or individual needs and interests. The student may declare education as his related field in meeting the College graduation requirements.

The student will be assigned to a faculty advisor in the major department of his choice. He should be sure his adviser knows he is preparing to teach, so that the latter can recommend appropriate courses and refer him to others for advice when necessary. Programs designed for regular departmental majors may need substantial modification for prospective teachers. Certification requirements for West Virginia, and for social studies and other combination teaching fields in other states, are very complex.

Course selections and sequences in the secondary education area, including the 480 methods and materials course, are subject to approval by the Department of Education. The student's total preparation must be approved by this Department and the Chairman of his Field.

ADMISSION TO TEACHER EDUCATION

During Freshman Week there will be a special session for those interested in preparing to teach. Questionnaires will be distributed on which students may indicate their choice of programs, i.e., elementary or secondary, and subject specializations. Students' Advisers will be notified so they can be prepared to assist in selecting appropriate courses.

Freshmen starting their programs are urged to consult a member of the Education Department as soon as possible for counseling with respect to prospects for employment in the various teaching fields, state certification requirements, etc.

During the second semester of the sophomore year, and after the student has enrolled in at least one education course, written application for admission to the elementary or secondary teacher education program should be submitted to the Department of Education on forms obtained from the Department. The due date will be announced.

Applications are appraised by the Teacher Education Review Committee with respect to academic achievement, emotional and physical fitness, personality traits, and other factors the Committee considers essential to a teaching career. The Committee may: (1) recommend full or conditional approval; (2) suggest programs to overcome certain deficiencies, or, in some cases, (3) recommend that the student not prepare for teaching.

A "C" average must be attained in all professional education courses attempted through the sophomore year for admission to subsequent professional education courses. All Committee recommendations for approval are on this condition.

The Committee may review a student's qualifications at any time and issue appropriate recommendations. The general qualifications of all students are reviewed at the time they apply for student teaching.

JANUARY EXPERIENCE

A period of observation and participation at a school in the student's home community will be arranged for the middle term preceding student teaching, normally the middle of the student's junior year.

PROFESSIONAL BLOCK

Each student pursuing a curriculum in teacher education will take a designated group of professional courses, including student teaching, during the *first* semester of the senior year. This is designated as the PROFESSIONAL BLOCK. Requirements for admission to the PROFESSIONAL BLOCK are as follows:

PREREQUISITES — Students should have satisfied all prerequisites to Education 443 or 475 that precede the professional block program. Prerequisites cannot be deferred until after student teaching or taken at another institution without *written* permission of the Department of Education.

ELEMENTARY EDUCATION—A student must have a general "C" average in all academic work, and a "C" average in professional (Education) courses taken prior to the time he is admitted to the PROFESSIONAL BLOCK.

SECONDARY EDUCATION—A student must have a general “C” average in all academic work, a “C” average in his teaching field(s), and a “C” average in professional education courses, including special methods courses, taken prior to the PROFESSIONAL BLOCK.

APPLICATION FOR STUDENT TEACHING—Students are required to make application for student teaching during the second semester of the junior year, on forms provided by the Education Department. This application requests the recommendation of the student’s Senior Adviser and requires the approval of the Chairman of the Department of Education. Applications will not be accepted from students not previously admitted to teacher education, as explained above.

Students will not be permitted to schedule courses in conflict with the *block* during the semester they are enrolled in it, or carry extracurricular activities which will interfere with the requirements imposed by the *block*. Any exception to the above must be approved by the Chairmen of the Departments concerned and by the Dean of the Faculty. Students should *not* register for more than 16 hours of academic work, including student teaching, during the semester in which they are enrolled in the PROFESSIONAL BLOCK.

Student teachers may be required to live in the community to which they are assigned. Additional expense for off-campus living, transportation, and meals might total about \$150—partly offset by some reimbursement of board fees by the college.

CERTIFICATION

Near the end of his senior year, each student should initiate application procedures for certification in the state where he expects to teach.

All applications require the Education Department Chairman’s recommendation. To be recommended, a student must meet—in addition to certification requirements of the state for which he is applying—the following qualifications: (1) successful student teaching experience; (2) completion of the National Teacher Examinations during his senior year, as arranged by the Education Department; (3) completion of an approved teacher education program; (4) eligibility for graduation; and (5) evidence of personal traits and character conducive to success as a teacher.

ED. 201-202 HUMAN DEVELOPMENT AND LEARNING (3 hrs.) Individual and group development from infancy through adolescence. The types of school programs which best meet the needs and interests of young people as they relate to cognitive principles are considered. Observation and first hand contacts with children are provided. 201—infancy to adolescence; 202—adolescence to young adult. Freshmen admitted only with instructor’s consent.

ED. 242 PRINCIPLES AND CURRICULUM OF ELEMENTARY EDUCATION (3 hrs.) Teaching and learning principles which affect planning for the development and education of the child through the first six grades, with an overview of curriculum as it affects the various levels in the elementary program. Planning with children and parents, teaching in the classroom and the community, organizing appropriate activities and materials, and reporting the child's progress to parents.

ED. 301 HISTORY AND PHILOSOPHY OF EDUCATION (3 hrs.) Development of modern education in social, historical, and philosophical context, emphasizing ideas which have had the greatest impact on present day theory and practice and current philosophical issues in American education.

ED. 328 PRINCIPLES AND TECHNIQUES OF SECONDARY EDUCATION (3 hrs.) The aims, functions, and curriculum organization of the secondary schools; basic methods, materials and techniques, including evaluation, applicable to modern teaching in junior and senior high schools.

ED. 332 PSYCHOLOGICAL FOUNDATION OF EDUCATION (3 hrs.) See Psychology 332. A study of the application of psychological principles to the field of Education. Included will be the areas of learning, transfer of training, individual difference, motivation, achievement testing, and the language and communication skills as they apply to education. Prerequisite: Psych. 101 or 201-202.

ED. 335 EDUCATIONAL TESTS, MEASUREMENT AND EVALUATION (2 hrs.) (Psychology 335.) The course will deal mainly with group testing, with attention to the construction and use of standardized and of *ad hoc* tests. The necessary correlation techniques will be included. Recommended especially for students in secondary education. Prerequisite: Psych. 101 or 201-202.

ED. 341 LANGUAGE ARTS IN THE ELEMENTARY AREA (3 hrs.) Teaching the skills of reading, listening, speaking and writing as they relate to the total curriculum throughout the elementary program. Strong emphasis on teaching of reading and the integration of the related areas in language arts. Classroom experience in public school.

ED. 342 CHILDREN'S LITERATURE IN THE ELEMENTARY SCHOOL (3 hrs.) Includes a background of the history of children's literature; familiarity with established and current literature in this area; methods and techniques of using current literature; work with story-telling groups.

ED. 345 TEACHING MATHEMATICS IN ELEMENTARY AREA (3 hrs.) Emphasis on arithmetical skills, including the understanding of fundamental processes; comparison of different philosophies in teaching arithmetic; elements of modern mathematics; practical application of arithmetical skills at all levels of the curriculum. Classroom experience in public school.

ED. 346 TEACHING SOCIAL STUDIES AND SCIENCE IN ELEMENTARY AREA (3 hrs.) Emphasis on science and social studies including history and geography as approached through the unit study method. Planning the curriculum to bring about understanding of these areas in relation to living in our society.

ED. 365 AUDIO-VISUAL EDUCATION (2 hrs.) Selection and effective utilization of visual and auditory materials and equipment including pictures, slides, motion pictures, television, recordings, and programmed materials. Laboratory experiences with audio-visual materials and equipment. Students who have not completed any professional education courses admitted only with the instructor's consent.

ED. 376 JUNIOR SEMINAR IN ELEMENTARY EDUCATION (1 hr.)

ED 378 JUNIOR SEMINAR IN SECONDARY EDUCATION (1 hr.)

ED. 443 OBSERVATION AND DIRECTED TEACHING IN ELEMENTARY EDUCATION (6 hrs.) Observation and full-time teaching at both primary and intermediate levels for an eight-week period, distributed to include a minimum of 200 clock hours of direct teaching responsibilities. Students are required to submit an application for permission to take this course prior to advance registration. Students should not register for more than sixteen hours of academic work, including student teaching, during the semester that this course is carried. Prerequisite: Education 201-202, 242, 341, 345, and 376; concurrent enrollment in Education 301, 346, and Psychology 332.

ED. 475 OBSERVATION AND DIRECTED TEACHING IN SECONDARY EDUCATION (6 hrs.) Observation and full-time teaching in public secondary schools; participation in school activities; acquaintance with the role of teachers and principals in administration of the high schools. *Seminar is required throughout the semester.* Students are required to make application for permission to take this course prior to advance registration. Students should not register for more than sixteen semester hours of academic work including student teaching during the semester that the course is carried. Prerequisite: Education 202, and 480; concurrent enrollment in Education 301, 328, and Psychology 332.

ED. 478 SENIOR SEMINAR IN SECONDARY EDUCATION (1 hr.) Offered in 1968-69.

ED. 480 SPECIAL METHODS AND MATERIALS IN TEACHING (2 or 3 hrs.) See courses offered in several departments, viz:

Art 480

Biology 480

Chemistry 480

English 480

Foreign Languages 480

Mathematics 480

Music 479

Physical Education 464, 480

Physics 480

Social Science 480

ED. 485 DEVELOPMENTAL READING IN SECONDARY SCHOOL (1 hr.) Review of the fundamental word attack skills and reading comprehension initiated in the elementary school, stressing further development at the secondary levels. Application to various content areas will be made through directed observation in a public school.

ED. 487-488 INDEPENDENT STUDY IN EDUCATION (1 to 3 hrs.)

ENGLISH

AIMS

To teach students to write effectively and to understand the structure of the English language; to provide them with a knowledge of major literary works; to provide them with standards for the intelligent evaluation of literature.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Course Requirements

1. All of the following: 221, 228, 229, 230, 392, 485, 486.
2. Three of the following: 341, 342, 405, 406.
3. One of the following: 353, 357, 358.
4. One of the following: 407, 408, 409, 410, 411, 412.
5. For prospective secondary school teachers only: 305, 306, 480. Prospective teachers may omit any one of the courses required above, except 221, 485, 486.

Departmental Reading

At the beginning of each semester, English majors will be provided with a list of books intended to supplement their course and seminar work. Informal discussions of these books, led by

members of the English faculty, will be held at intervals throughout the academic year. Familiarity with the books will be expected on the Senior Comprehensive Examination.

Courses in Other Departments

English majors are expected to take a course in the History of England, American History or Economics, and a course in Philosophy. If qualified, they should also take literature courses in a foreign language.

ENG. 100 FRESHMAN COMPOSITION (4 hrs.) Training in the principles of clear and effective writing in conjunction with the reading of significant works of literature. Each student will write approximately ten essays based on course readings, and one long paper based on research.

ENG. 201-202 EXPOSITORY WRITING (1 hr.) Intensive practice in writing with emphasis upon the achievement of clear and effective expression.

ENG. 221 PREFACE TO LITERARY STUDIES (3 hrs.) A course designed to introduce the English major to the methods and materials of literary research and to terms and allusions necessary for the intelligent understanding of literature. The course includes the study of mythology, poetic form and technique, bibliography, and the elements of criticism. Must be taken by English majors before the second semester of their Junior year.

ENG. 227 BRITISH LITERATURE I (3 hrs.) Literary history from Beowulf to the Renaissance.

ENG. 228 BRITISH LITERATURE II (3 hrs.) Literary history from the Renaissance to the Restoration.

ENG. 229 BRITISH LITERATURE III (3 hrs.) Literary history from the Restoration to the beginnings of the Romantic Movement.

ENG. 230 BRITISH LITERATURE IV (3 hrs.) Literary history from the Romantic Movement to World War I.

ENG. 305 ADVANCED WRITING (3 hrs.) Intensive practice in the writing of imaginative or expository prose, with emphasis upon the achievement of literary excellence. Individual assignments and frequent conferences. Student must consult with the instructor before registering for the course. May be repeated for credit with permission of the instructor.

ENG. 306 THE ENGLISH LANGUAGE (3 hrs.) Study of the changes in the English language from Anglo-Saxon to Modern English, with emphasis upon the structure and vocabulary of the latter.

ENG. 341-342 MAJOR AMERICAN WRITERS (3 hrs.) Study of major writers from the Colonial Period to the present, with emphasis upon those of the nineteenth and twentieth centuries.

ENG. 353 GREAT PLAYS (3 hrs.) Study of significant plays in English and in translation. Reading will be chosen from the works of Aeschylus, Sophocles, Euripides, Aristophanes, Corneille, Racine, Molière, Marlowe, English dramatists of the seventeenth and eighteenth centuries, Ibsen, Shaw, Chekhov and others.

ENG. 357-358 GREAT NOVELS (3 hrs.) Study of significant novels in English and in translation. Novels will be chosen from the work of Cervantes, Fielding, Austen, E. Bronte, Dickens, Hardy, Dostoievsky, Tolstoy, Turgenev, Zola, Kafka, Conrad, Melville, Hawthorne, Joyce and others.

ENG. 392 LITERARY CRITICISM (3 hrs.) Study of the value and function of criticism and of various critical approaches to literature from Aristotle to the present. Practical criticism and analysis of poetry and prose.

ENG. 401-402 SHAKESPEARE (3 hrs.) Study of the major plays; some attention to the non-dramatic poems.

ENG. 405-406 STUDIES IN AMERICAN LITERATURE (3 hrs.) A seminar for the study of a single theme, genre, or movement, or of the work of several related writers. The topic will vary from semester to semester. At least one seminar will be offered annually.

ENG. 407-408 STUDIES IN LITERARY PERIODS (3 hrs.) A seminar devoted to the study of a limited period of time in British Literature. At least one seminar will be offered annually.

ENG. 409-410 STUDIES IN MAJOR AUTHORS (3 hrs.) A seminar in which the work of a major author of the stature of Chaucer, Shakespeare, Spenser, Milton, Swift, Faulkner, Joyce, Eliot, Melville, Dostoievsky, and Homer will be included. At least one seminar will be offered annually.

ENG. 411-412 STUDIES IN LITERARY GENRES (3 hrs.) A seminar in which a single literary genre or mode will be studied. Among those to be included are tragedy, comedy, biography, au-

tobiography and related forms, epic, satire, the lyric, and others. The topic will vary from semester to semester. At least one seminar will be offered annually.

ENG. 413-414 STUDIES IN TWENTIETH CENTURY LITERATURE (3 hrs.) A seminar for the study of modern fiction, poetry, or drama. When fiction and drama are studied, readings will include works in English and in translation. The type of literature to be studied will vary from semester to semester. At least one seminar will be offered annually.

ENG. 480 METHODS OF TEACHING ENGLISH (2 hrs.) (See Ed. 480) Study of the methods and materials used in the teaching of English in secondary schools, with emphasis upon grammar and composition.

ENG. 485-486 SENIOR SEMINAR (1 hr.) Reading, criticism and research designed to correlate the work of other courses. One of the requirements of the seminar will be the preparation of the Senior Essay. Specific instructions for preparing the Essay may be obtained from the Chairman of the Department.

ENG. 487-488 INDEPENDENT STUDY (1-3 hrs.)

ENG. 491-492 HONORS (1-3 hrs.) Advanced independent research in an area of special interest. Open only to superior students. Students may register for this course only upon recommendation by the Chairman of the Department. May be repeated for credit.

FINE ARTS

AIMS

The Department of Fine Arts is not a separate faculty; it draws upon the faculties and curricula of the Departments of Art, Music, Philosophy, and Speech and Drama. Its aims are to give expression to the aesthetic unity of the various forms and modes of art, and to permit students to pursue a non-professional interest in these fields.

REQUIREMENTS FOR FIELD OF CONCENTRATION

All students concentrating in Fine Arts must take Fine Arts 201-202; Art 241 or Art 242; Speech 301; Music 101 or Music 143; Philosophy 377; and Fine Arts 478. In addition, at least eight courses must be elected from at least two of the following categories, with an emphasis (five courses) in one of the categories. At least four of these eight courses must be in courses 300 or above.

1. Art: advance art studio and art history courses.
2. Music: music theory and music literature courses.
3. Speech and Drama: basic speech courses and advanced drama courses.

Students electing this field of concentration would also normally be expected to participate extra-curricularly in at least some of the performing and practicing activities in the area of emphasis.

A student concentrating in Fine Arts may elect a related field in another Department, or in Art, Music, or Speech and Drama. In the latter case, however, the related field may not be the same as the area of emphasis, and the same courses may not be used in satisfying the requirements both for the field of concentration and for the related field.

Students primarily interested in Art or Music should also consult the sections of this catalogue dealing with the fields of concentration in those Departments.

FINE ARTS 201-202 INTRODUCTION TO THE ARTS (3 hrs.) An introduction to the history of Art, Music, and Theatre from the Renaissance to the present with some reference to ancient and medieval precedents. The first semester extends to approximately the middle of the 18th century.

FINE ARTS 478 SEMINAR (2 hrs.) A survey review of the Fine Arts area concentrating upon the student's field of emphasis, largely in preparation for the senior comprehensive examination. Required of all seniors in the Fine Arts Field.

FOREIGN LANGUAGES

AIMS

To introduce students to the language, literature and culture of France, Germany and the Spanish-speaking countries; to provide training in reading for students who are interested in scientific or historical study requiring a foreign language as a "tool subject"; and to give adequate training in language, literature and expression to students who are preparing to be teachers, translators, or representatives in foreign service.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN FRENCH, GERMAN, OR SPANISH

A minimum of twenty-four hours in the language, not including French 101-102, German 101-102 or Spanish 101-102, with eighteen hours of advanced courses. A reading knowledge of one foreign language other than the one chosen as the field of

concentration. Students expecting to teach a foreign language must complete Foreign Languages 480. Foreign Languages 425 is required in each field. History 301 and 302 are recommended. Sequence of courses subject to approval of the Department Chairman.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN FOREIGN LANGUAGES

A minimum of eighteen hours in advanced courses in French, German or Spanish; at least six hours advanced courses in a second language; reading knowledge of the third; Foreign Languages 425. The sequence of courses is subject to approval of the Chairman.

FRENCH

FR. 101-102 FIRST YEAR FRENCH (3 hrs.) Fundamentals of grammar, pronunciation and composition. Emphasis on audio-lingual approach to develop basic skills of comprehension, speaking, writing, and reading. Two hours' laboratory work per week in addition to three hours' classroom work. Course is intended for students who have no acquaintance with the language and is not open to students who have had previous instruction in French. Not more than six hours credit can be earned in 101-102 and 103-104.

FR. 103-104 FIRST YEAR FRENCH (REVIEW) (3 hrs.) A review of the fundamentals of grammar, pronunciation and composition for students who have studied French before but who do not make a high enough score on the entrance placement test to admit them to French 201-202. Two hours' laboratory work per week in addition to three hours' classroom work. Not more than six hours credit can be earned in 101-102 and 103-104

FR. 201-202 INTERMEDIATE FRENCH (3 hrs.) Grammar review, composition, dictation, intensive and extensive reading. Two hours' laboratory work per week in addition to three hours' classroom work. Prerequisite: French 101-102 or a satisfactory standing in an achievement test.

FR. 301-302 CONVERSATION AND COMPOSITION (3 hrs.) Conversation, dictation, and composition. Special attention to current publications and present day events. To fulfill the requirements the student must attend the weekly language table at the dinner hour. Prerequisite: French 202 or equivalent.

*FR. 303-304 THE NOVEL (3 hrs.) The French novel from its beginning to the twentieth century. Conducted in French. Prerequisite: A reading knowledge of French. Offered in 1968-69.

*FR. 325 NINETEENTH CENTURY FRENCH LITERATURE (3 hrs.) A critical study of representative authors of each literary movement of the 19th century: romanticism, realism, naturalism. Special emphasis on poetry and the novel. Prerequisite: A good reading knowledge of French. French 327-328 recommended. Conducted in French.

*FR. 326 TWENTIETH CENTURY FRENCH LITERATURE (3 hrs.) A critical study of major authors of 20th century French literature from Paul Claudel to Albert Camus. Emphasis on modern drama and novel. Prerequisite: French 325 or one semester of French 327-328. Conducted in French.

*FR. 327-328 HISTORY OF FRENCH LITERATURE (3 hrs.) Survey of French literature from the early periods to the present time. Readings in French from an anthology. Conducted in French. Prerequisite: A reading knowledge of French.

*FR. 425 SEVENTEENTH CENTURY LITERATURE (3 hrs.) Study of the plays of Corneille, Racine, and Moliere. Readings in Descartes, Pascal, Boileau and others. Conducted in French. Prerequisite: A reading knowledge of French; French 327-328 recommended. Offered in 1968-69.

*FR. 426 EIGHTEENTH CENTURY FRENCH LITERATURE (3 hrs.) French rationalism including readings in Voltaire, Montesquieu, Marivaux, Diderot and Rousseau. Prerequisite: A good reading knowledge of French. French 327-328 recommended. Conducted in French. Offered in 1968-69.

GERMAN

GER. 101-102 FIRST YEAR GERMAN (3 hrs.) Fundamentals of pronunciation, grammar, reading and composition. Emphasis on audio-lingual approach to develop basic skills of comprehension, speaking, writing, and reading. Two hours' laboratory work per week in addition to three hours' classroom work. For students who have no acquaintance with the language.

GER. 201-202 INTERMEDIATE GERMAN (3 hrs.) Grammar review, composition, dictation, intensive and extensive reading. Two hours' laboratory work per week in addition to three hours' classroom work. Special emphasis on outside reading in student's field of concentration. Prerequisite: German 101-102, or equivalent.

GER. 301-302 CONVERSATION AND COMPOSITION (3 hrs.) Conversation, dictation, and composition. Special attention to current publications and present day events. To fulfill the requirements the student must attend the weekly language table at the dinner hour. Prerequisite: German 202 or equivalent.

*GER. 303-304 NINETEENTH CENTURY LITERATURE (3 hrs.) Reading and critical study of the nineteenth century, especially Kleist, Hebbel, Heine, Keller; special emphasis on the drama and the Romantic School. Outside readings and reports. Conducted in German. Prerequisite. A reading knowledge of German. Offered in 1968-69.

*GER. 327-328 HISTORY OF GERMAN LITERATURE IN ENGLISH (3 hrs.) German literature from the Hildebrandslied to the twentieth century. Conducted in English. A reading knowledge of German is desirable, but not essential.

*GER. 427-428 EIGHTEENTH CENTURY LITERATURE (3 hrs.) Readings from the works of Lessing, Goethe and Schiller. Conducted in German. Prerequisite: A reading knowledge of German. Outside reading and reports.

GREEK

Students wishing to study Greek language and literature should enroll in FOREIGN LANGUAGE 487-488. See also, RELIGION 211-212 and 411-412, BEGINNING and INTERMEDIATE NEW TESTAMENT GREEK.

LATIN

Students wishing to study Latin language and literature should enroll in FOREIGN LANGUAGE 487-488.

SPANISH

SPAN. 101-102 FIRST YEAR SPANISH (3 hrs.) Fundamentals of pronunciation, grammar, reading and composition. Emphasis on audio-lingual approach to develop basic skills of comprehension, speaking, writing, and reading. Two hours' laboratory work per week in addition to three hours' classroom work. For students who have no acquaintance with the language. Not open to students who have had previous instruction in Spanish. Not more than six hours credit total can be earned by any combination of 101-102 and 103-104.

SPAN. 103-104 FIRST YEAR SPANISH (REVIEW) (3 hrs.) A review of the fundamentals of grammar, pronunciation and composition for students who have studied Spanish before but who do not make a high enough score on the entrance placement test to admit them to Spanish 201-202. Two hours' laboratory work per week in addition to three hours' classroom work. Not more than six hours credit can be earned by any combination of 101-102 and 103-104.

SPAN. 201-202 INTERMEDIATE SPANISH (3 hrs.) Grammar, oral work and reading. Practice in dictation, writing and speaking. Reading of modern prose and plays. Two hours' laboratory work per week in addition to three hours' classroom work. Prerequisite: Spanish 101-102 or equivalent.

SPAN. 301-302 CONVERSATION AND COMPOSITION (3 hrs.) Conversation, dictation, and composition. Special attention to current publications and present day events. To fulfill the requirements the student must attend the weekly language table at the dinner hour. Prerequisite: Spanish 202 or equivalent.

*SPAN. 325 INTRODUCTION TO LATIN AMERICAN LITERATURE (3 hrs.) A general survey of Latin American literature from the 16th to the 20th century with special attention to Modernism and contemporary movements. Conducted in Spanish. Prerequisite: Span. 202 or equivalent. Offered in 1968-69.

*SPAN. 327-328 SURVEY OF SPANISH LITERATURE (3 hrs.) A general survey of Spanish literature from its beginnings in the Medieval period to the present. Lectures, readings, and reports. Conducted in Spanish. Prerequisite: Spanish 202 or permission of the Chairman of the Department.

*SPAN. 426 SPANISH LITERATURE OF THE GOLDEN AGE (3 hrs.) A survey of the 16th and 17th centuries with particular emphasis on *Don Quixote*. Offered in 1968-69.

*SPAN. 427 SPANISH REALISM OF THE 19TH CENTURY (3 hrs.) A study of the development of the drama and novel during the period of realism in Spain. Prerequisite: A reading and speaking knowledge of Spanish. Offered in 1968-69.

*SPAN. 428 TWENTIETH CENTURY SPANISH LITERATURE (3 hrs.) A study of Spanish literature from the beginning of the 20th century. Prerequisite: A reading and speaking knowledge of Spanish. Offered in 1968-69.

FOREIGN LANGUAGES

F.L. 478 SEMINAR (3 hrs.) Intensive, integrated study in field of concentration. Geography, history, government, education, science, press, art and music of French, German or Spanish-speaking countries. Required of students selecting a Field of Concentration in Foreign Languages.

F.L. 480 METHODS AND MATERIALS IN TEACHING FOREIGN LANGUAGES (3 hrs.) Study of methods, classroom materials, extra-curricular activities necessary for the teacher of French, German, or Spanish. Special emphasis on the audio-lingual techniques, applied linguistics and language laboratory.

F.L. 487-488 INDEPENDENT STUDY IN EUROPEAN LANGUAGES (1 to 3 hrs.)

F.L. 491-492 HONORS COURSE (1 to 3 hrs.) Minor research studies. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in Foreign Languages who are seniors of superior ability and achievement. Permission of the Chairman of the Department required.

GEOGRAPHY AND GEOLOGY

GEOG. 201 PRINCIPLES OF GEOGRAPHY (3 hrs.) The general principles of the science including earth origins, the results of the dynamic geological agencies tending to change its surface. Practical work in mineralogy, physiography and stratigraphy is required during the course.

GEOG. 302 WORLD GEOGRAPHY (3 hrs.) A study of the physical, social and political geographic factors of the world today. Recent changes in Europe, Asia and Africa will be stressed.

HISTORY AND POLITICAL SCIENCE

AIMS

To present the origin and development of institutions and ideas; to point out the great traditions that are molding our thought and action today; and to gain a better perspective of our political, economic, and social life. The courses in Political Science are intended to acquaint the student with political institutions and political problems in the United States and the world today.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Twelve hours in European or World History, of which at least three hours should be selected from the area of African, Asian, or Latin American History, twelve hours in American History, six hours in Political Science, and History 477-478. Students are encouraged to select a related courses from one of the other social sciences, the humanities, or some other clearly related area of study.

EUROPEAN AND WORLD HISTORY

HIST. 100 DEVELOPMENT OF WORLD CIVILIZATIONS (4 hrs.) The development of political, social and cultural institutions from ancient times to the twentieth century, especially as they contribute to an understanding of our civilization. Assignments dealing with Asia, Africa and Latin America will be included.

HIST. 301-302 MODERN EUROPEAN HISTORY (3 hrs.) A survey of European civilization from the sixteenth century to 1945. Second semester begins with 1815.

HIST. 303 MODERN ECONOMIC HISTORY AND DEVELOPMENT (3 hrs.) A study of the development of modern industrial economies. Emphasis will be placed on nineteenth and twentieth century United States development and economic history. Attention will also be paid to the problems of the underdeveloped economies of the twentieth century.

HIST. 325-326 THE HISTORY OF ENGLAND (3 hrs.) The political, economic, and social history of England to the eighteenth century. Second semester includes the eighteenth, nineteenth, and twentieth centuries.

HIST. 371 HISTORY AND POLITICS OF AFRICA AND THE MIDDLE EAST (3 hrs.) A survey of the area. The effect of geography, tribal development and the European impact on the present problems of the area will be studied. Developments since World War II will be emphasized.

HIST. 372 HISTORY, CULTURE AND POLITICS OF ASIA (3 hrs.) A survey of the history, civilization and recent developments in South, East and Southeast Asia.

HIST. 427 ANCIENT CIVILIZATION (3 hrs.) A history of the Near East, Greece, and Rome to the fourth century A.D.

*HIST. 428 THE MIDDLE AGES (3 hrs.) European civilization from the fourth to the fifteenth centuries. Offered in 1968-69.

*HIST. 429 WORLD HISTORY SINCE 1945 (3 hrs.) A survey of events since the Second World War. Emphasis will be on the development of major movements during the past two decades. Offered in 1968-69.

HIST. 466 BRITISH CONSTITUTIONAL HISTORY (3 hrs.) A history of British constitutional and legal developments from the medieval period through the twentieth century.

HIST. 477-478 SEMINAR IN HISTORY (1 hr.) A study of the sources, materials, historical criticism and interpretations of history. Required of all students with a Field in History and Political Science.

AMERICAN HISTORY

HIST. 201-202 UNITED STATES HISTORY (3 hrs.) The political, economic and social growth of America. First semester covers the period of exploration to 1865; second semester covers from 1865 to the present day.

HIST. 225 WEST VIRGINIA HISTORY, GOVERNMENT AND GEOGRAPHY (3 hrs.) The history of the western section of Virginia to the Civil War and the history and government of West Virginia to the present day. The physical, political and social geography of the state will be included.

*HIST. 341 THE DEVELOPMENT OF THE AMERICAN NATION (3 hrs.) A history of the United States from 1828 to 1860. This course considers the rise of Jacksonian Democracy, the effects of that movement and the coming of the Civil War. Offered in 1968-69.

*HIST. 342 THE AGE OF BIG BUSINESS (3 hrs.) The political, social, and economic history of the United States from 1865 to 1914. Emphasis is placed on the growth of industrialism during this period and the resulting attempts at social reform. Offered in 1968-69.

HIST. 423 CONTEMPORARY UNITED STATES HISTORY (3 hrs.) A study of the political, economic, diplomatic and social history of the United States since 1933.

HIST. 426 LATIN AMERICAN HISTORY (3 hrs.) A cultural and political history of Central and South America with emphasis on the period since 1890.

HIST. 487-488 INDEPENDENT STUDY IN HISTORY (1 or 2 hrs.)

HIST. 491-492 HONORS COURSE (1 or 2 hrs.) Advanced projects and minor research studies in history and political science. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in History who are seniors of superior ability and achievement. Permission of the Chairman of the Department required.

POLITICAL SCIENCE

POL. SCI. 225 AMERICAN GOVERNMENT (3 hrs.) A study of the principal institutions and processes of American national government. Particular emphasis is given to the Constitution, the Presidency, the Supreme Court, Congress, political parties and pressure groups.

POL. SCI. 226 STATE AND LOCAL GOVERNMENT (3 hrs.) A study of the government and politics of states and localities. Attention is given to intergovernmental relations, structure and organization, and functions and problems.

POL. SCI. 327 HISTORY OF POLITICAL THOUGHT (3 hrs.) A survey of the political theories of the Western world. A special effort is made to relate the principal themes in political thought to contemporary politics.

POL. SCI. 328 COMPARATIVE GOVERNMENT (3 hrs.) A comparative study of governments of the major powers of Europe, including Great Britain, France, the German Federal Republic, and the Soviet Union. A study of comparative political institutions throughout the world is included.

POL. SCI. 339 AMERICAN POLITICAL PARTIES (3 hrs.) A study of major and minor political parties in the United States. Attention is given to the functions, history, structure, tactics, and financing of political parties in a democratic system. Classroom work may be supplemented by field work involving observation of party headquarters and political campaigns. Political Science 225 or 226 or History 201 or 202 are recommended for background in the field.

*POL. SCI. 465 CONSTITUTIONAL LAW (3 hrs.) A study of the judicial elaboration and interpretation of the U. S. Constitution. A case study approach to the historical development of American constitutional principles. Political Science 225 or History 201-202 recommended for background in the field. Offered in 1968-69.

POL. SCI. 487-488 INDEPENDENT STUDY IN POLITICAL SCIENCE (1 or 2 hrs.)

POL. SCI. 491-492 HONORS COURSE (1 or 2 hrs.) Advanced projects and minor research studies in history and political science. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in History and Political Science who are seniors of superior ability and achievement. See also History 491-492. Permission of the Chairman of the Department required.

SOCIAL SCIENCE

SOC. SCI. 201-202 CONTEMPORARY ISSUES (3 hrs.) A course designed primarily to provide future teachers a basic background in some of the major social, economic and political problems of our times. International, urban, cultural, and American political and economic problems will be emphasized.

SOC. SCI. 480 METHODS AND MATERIALS IN TEACHING SOCIAL STUDIES (2 hrs.) Nature, objectives, and curricula of social studies in junior and senior high schools. Concepts to be emphasized and ways of approaching. Methods, techniques, teaching aids, and other resources. Resource units, lesson plans, evaluation, teaching reading and study skills.

HONORS

For a description of the aims and requirements of the Honors Program, see p. 81. A student participating in the Honors Program should enroll in the appropriate Honors Seminar each semester.

HONORS 401 *Contemporary Issues in American Thought* (2 hrs.) Primarily for sophomores.

HONORS 404 *The History and Philosophy of Science* (2 hrs.) Primarily for juniors.

HONORS 406 *Forms, Meanings, and Values in the Arts* (2 hrs.) Primarily for seniors.

HONORS 407 *Modern Man in Search of Meanings* (2 hrs.) Primarily for juniors.

HONORS 410 *Universal Themes in Literature* (2 hrs.) Primarily for sophomores.

HONORS 412 *The Shaping of the Modern Mind* (2 hrs.) Primarily for seniors.

JOURNALISM

AIMS

To provide training for students preparing to do newspaper or magazine work, free-lance or professional writing, public relations work, preparation of advertising material, direction of high school or college publications, and teaching.

JOURN. 201 INTRODUCTION TO MASS COMMUNICATIONS (3 hrs.) History and function of communications. Role of mass media in modern society.

*JOURN. 302 HISTORY OF JOURNALISM (3 hrs.) History of the newspapers, magazines, radio, television. Offered in 1968-69.

JOURN. 303 REPORTING (3 hrs.) Techniques and values of news reporting and news writing; emphasis upon learning to write forcefully and distinctively; writing of varied news stories.

JOURN. 304 FEATURES (3 hrs.) Writing human interest articles for newspapers, magazines, professional and trade journals.

JOURN. 306 COPYREADING AND NEWS-EDITING (3 hrs.) Principles and practices of preparing copy for publication.

JOUR. 310 PUBLIC OPINION (3 hrs.) Nature, significance and principles of public opinion. Relations of culture and public opinion. Public opinion media.

JOURN. 316 PRINCIPLES OF PUBLIC RELATIONS (3 hrs.) The function of public relations in modern society, and the principles underlying its successful application.

JOURN. 325 PRINCIPLES OF ADVERTISING (3 hrs.) Principles, study of media, markets and merchandising. Advertising agencies and personnel. Evaluation of the field.

JOURN. 335 SCHOOL PUBLICATIONS (3 hrs.) Editorial and typographical problems of yearbooks, newspapers, handbooks, magazines, and other material. Laboratory work will include reportorial and editing work on one of the Bethany student publications.

COMM. 403-404 HONORS SEMINAR. Major research project for seniors of superior ability and achievement.

COMM. 480 METHODS AND MATERIALS OF TEACHING COMMUNICATIONS (3 hrs.) Study of methods, classroom materials, co-curricular activities necessary for the teacher of Communications.

JOURN. 487-488 INDEPENDENT STUDY (1 to 3 hrs.)

LIBRARY SCIENCE

LIB. SCI. 221 INTRODUCTION TO CATALOGING AND CLASSIFICATION (3 hrs.) Planned to familiarize the prospective library school student with the theory and routines of cataloging and classification. The work is primarily a laboratory course supplemented by classroom lectures.

LIB. SCI. 222 INTRODUCTION TO LIBRARY SCIENCE (3 hrs.) Emphasis is placed upon reference, circulation, and bibliographic services. The student is introduced to the public service aspects of the general library and assigned practical problem work to supplement lectures and reading assignments.

LIB. SCI. 321 BOOK SELECTION AND ACQUISITION (3 hrs.) Principles of selection and acquisition of books and non-book materials. Appraisal of standard aids in selection, of book reviewing media, and other sources of information used in building library collections.

LIB. SCI. 322 LIBRARY ADMINISTRATION (3 hrs.) A study of the theoretical concepts and practical problems involved in organizing and operating libraries.

LIB. SCI. 487-488 INDEPENDENT STUDY IN LIBRARY SCIENCE (1-3 hrs.)

MATHEMATICS

AIMS

To provide the general student with a knowledge of the mathematical foundation of our civilization, to give the prospective teacher an understanding and appreciation of the fundamental ideas of elementary mathematics; to provide a tool for the technical student; and to give the prospective graduate student a foundation for later study and research.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MATHEMATICS

A minimum of twenty-four hours in the department, including Mathematics 202-203, and at least twelve hours of advanced courses which should include Mathematics 303-304. Students in-

terested in mathematics as a teaching subject should elect Mathematics 325 and 326, and/or Mathematics 329 and 352. Students interested in science and engineering should elect Mathematics 425-426 and 428. Students interested in economics should elect Mathematics 328 and 381. Two courses in the department should be taken in the senior year. Sequence of courses subject to approval of the Senior Adviser.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN APPLIED MATHEMATICS

Option I (Physics, and/or Chemistry). A minimum of thirty-three hours with at least eighteen hours in the Department of Mathematics which must include Mathematics 202-203, 425-426 and 428 and fifteen hours in the Department of Physics and/or Chemistry which should include Physics 301-302, and Chemistry 439-440. Recommended courses include Mathematics 303-304, Physics 303-304, Physics 365-366, and Chemistry 201 or 202, 301-302. Sequence of courses subject to approval of the Senior Adviser.

Option II (Economics). A minimum of thirty-three hours with at least eighteen hours in the Department of Mathematics which must include Mathematics 202-203, 328, 381 and fifteen hours in the Department of Economics. Recommended courses include Mathematics 303-304 and Economics 365. Sequence of courses subject to approval of the Senior Adviser.

MATH. 100 FUNDAMENTAL MATHEMATICS (4 hrs.) Basic mathematics for Freshmen entering with three years or less of high school mathematics, for students whose background is insufficient for the precalculus course and for students who need mathematics as a foundation for study in the social or biological sciences, general physical science, education, or business. The course includes set theory, linear and quadratic equations and inequalities, graphs of functions, remainder and factor theorems, equations involving radicals, ratio and proportion, basic trigonometry, logarithms, compound interest and annuities, permutations and combinations, probability, mathematical induction, binomial and normal distribution, topics in statistics. This course meets the proficiency requirement of Group I in the new Requirements for Graduation.

MATH. 101 MATHEMATICAL ANALYSIS (3 hrs.) Set operations and Venn diagrams, field postulates, implication and nature of proof, induction, real and complex numbers, rational and decimal numbers, functions and their graphs, domain and range, solution of algebraic equations and word problems, binomial theorem, exponentials and radicals, linear and quadratic inequalities, vectors and

matrices, inverse of a matrix, determinants, simultaneous equations and inequalities, inverse functions. Not offered in 1968-69 or thereafter.

MATH. 102 MATHEMATICAL ANALYSIS (3 hrs.) Factor and remainder theorems, synthetic division, real roots of polynomial equations, exponential and logarithmic functions and their graphs, trigonometric functions, amplitude, period and phase, solutions of right and oblique triangles, reduction formulas, identities and trigonometric equations, polar coordinates and deMoivres' theorem, analytic geometry of the straight line, distance and mid-point formulas, conic sections, polar form of the conics, parametric equations, intuitive integration and differentiation, velocity and acceleration, rate problems, maxima and minima problems, hyperbolic trigonometry and Euler's formula. Prerequisite: Mathematics 101 or the equivalent. Not offered in 1968-1969 or thereafter.

MATH. 103 PRECALCULUS MATHEMATICS (3 hrs.) This one-semester course provides the necessary mathematical background for the study of the calculus. The course includes set operations, field axioms, induction, coordinate axes, distance formula and circles, graphs and inequalities, domain and range, quadratic equations, the discriminant, factor and remainder theorems, synthetic division, partial fractions, trigonometric functions and their graphs, radian measure, identities and trigonometric equations, logarithms and exponentials, inverse trigonometric functions, binomial theorem and sigma notation, permutations and combinations, expansions and applications to probability, analytic geometry of the straight line, the parabola, ellipse, and the hyperbola, translation and rotation of axes, parametric equations, complex numbers and deMoivre's theorem. A previous understanding of trigonometry or coordinate geometry is not required. Students having less than four units of mathematics at the secondary school level should take Mathematics 107 as a corequisite.

MATH. 107 VECTOR GEOMETRY AND TRIGONOMETRY (2 hrs.) Introduction to vector algebra with the idea of applying it to geometry particularly, but also to trigonometry, both plane and spherical. Geometric proofs, including plane and spherical trigonometric formulas, are derived by elementary vectors and vector notation. The course includes plane and space coordinates, the complex plane, scalar and vector products, components, work, analytic geometry of the straight line, equation of a plane, normal form, the distance from a point to a line or plane, angles of a triangle or between lines in space, circles and spheres, triple products and applications, trigonometric formulas, spherical trigonometry, introduction to linear programming. Numerical problems require the use of mathematical tables and a sliderule.

MATH. 201 CALCULUS I (3 hrs.) Technique of differentiation and integration with applications. Functions and their graphs including the conic sections, maxima and minima, rate problems. Area between two curves, length of a line, volume and surface area. Moments, centroids and the theorems of Pappus, hydrostatic pressure and work. Transcendental functions and elementary differential equations.

MATH. 202 CALCULUS II (3 hrs.) Methods of integration including integration by parts, partial fractions, substitutions, trigonometric functions, improper integrals and numerical methods. Determinants and linear equations, tangents and normals, Newton's method, second degree curves and curve fitting. Polar coordinates and graphs, areas and angles of intersection in polar coordinates, hyperbolic functions, the hanging cable, vectors and parametric equations, curvature and normal vectors, velocity and acceleration.

MATH. 203 CALCULUS III (3 hrs.) Intermediate calculus with emphasis on vector notation and functions of several variables. Scalar and vector products, space coordinates and space curves, quadric surfaces. Partial differentiation and applications, directional derivative and gradient. Multiple integrals with physical applications, polar and cylindrical coordinates, expansion of functions and tests for convergence. Taylor's theorem, Fourier series, indeterminate forms, and an introduction to the complex variable.

MATH. 226 MATHEMATICS FOR TEACHERS (3 hrs.) A study of the fundamental principles, concepts, and methods of teaching arithmetic. A course designed to acquaint students with the basic mathematics necessary for teaching in the elementary field.

***MATH. 241 ENGINEERING DRAWING (3 hrs.)** Free-hand lettering; orthographic projection, including sections and auxiliary views; dimensioning; isometric and oblique projections with emphasis on working drawings. Standard symbols and convention. Ink and pencil tracings. Offered in 1968-1969.

***MATH. 242 DESCRIPTIVE GEOMETRY (3 hrs.)** Principles of projections; non-metric and metric problems; plane sections and developments; intersections of surfaces; construction of perspective drawings. This course achieves an effective correlation between descriptive and analytic geometry by presenting both the graphic and the algebraic methods. Offered in 1968-1969.

***MATH. 244 PLANE SURVEYING (3 hrs.)** Care and use of surveying instruments; field problems; computation and mapping. One hour class and four hours field work each week.

MATH. 251 FINITE MATHEMATICS (3 hrs.) Introduction to concepts occurring in modern mathematics. Symbolic logic and truth tables, set theory, vectors and matrix theory, binomial theorem and probability theory, linear programming and game theory. This course includes a review of algebra and is designed especially for the non-science student. Prerequisite: Math. 100 or Math. 101.

MATH. 303-304 ADVANCED CALCULUS (3 hrs.) Theory of the derivative and the definite integral; partial differentiation and its applications; Green's and Stoke's theorems; power series; Fourier series; vector notation; complex variable. Prerequisite: Mathematics 203.

***MATH. 325 INTRODUCTION TO HIGHER ALGEBRA (3 hrs.)** Theory of equations; solution of cubic, quartic, and numerical equations; congruences and Diophantine equations; complex numbers and an introduction to the fundamental concepts of algebra—class, group, field, number. Prerequisite: Mathematics 201-202.

***MATH. 326 INTRODUCTION TO MODERN GEOMETRY (3 hrs.)** Euclidean and non-Euclidean geometries; an introduction to synthetic projective geometry; the concept of limit and infinity; geometrical constructions, recent developments and theorems. Prerequisite: Mathematics 201-202.

MATH. 328 MATHEMATICS OF FINANCE AND INVESTMENT (3 hrs.) The operation of interest and annuities; amortization of debts and sinking funds; valuation of bonds; the experience table and calculation of premiums for life insurance. Prerequisite: Mathematics 101 or Math. 100. Economics 201-202.

***MATH. 329 SPACE GEOMETRY (3 hrs.)** Advanced methods and problems of analytic geometry of two and three dimensions; the general equation of the second degree; poles and polars; quadric surfaces; determinants. This course includes the concepts of elements at infinity, homogeneous coordinates, line coordinates, cross ratio, transformations, and complex elements. Prerequisite: Mathematics 201-202. Offered in 1968-1969.

MATH. 341 VECTOR ANALYSIS (3 hrs.) Elementary operations, scalar and vector products, gradient, operator, differentiation formulas, divergence and curl, integration, line integral, work and potential, surface integrals, reciprocal systems, general coordinates, applications. Prerequisite: Mathematics 201-202.

*MATH. 352 MODERN ABSTRACT ALGEBRA (3 hrs.) Rings, integral domains and fields, Peano axioms, real and complex numbers, polynomial rings, partial fractions, properties of groups, Cosets and Lagrange's theorem, vector spaces, systems of linear equations, matrices and determinants, algebra of matrices, linear transformations. Offered in 1968-1969.

MATH. 381 STATISTICAL METHODS (3 hrs.) (Also Econ. 381, Psych. 381, and Soc. 381) Introductory statistical analysis including frequency distribution and graphic representation of data, measures of central tendency, relative position in a distribution, variability, the normal curve and its applications, correlation and regression, probability and statistical inference, testing differences between means, introduction to analysis of variance, Chi square and other nonparametric procedures. The student can receive credit for this course in the departments of Economics, Sociology or Psychology. Two lectures, and one laboratory session in the department for which credit is desired.

*MATH. 382 MATHEMATICAL STATISTICS (3 hrs.) Introduction to probability, basic distribution theory, limit theorems, mathematical expectation, probability densities, random variables, sampling distributions, point and interval estimation, tests of hypotheses, regression and correlation, analysis of variance.

MATH. 425-426 DIFFERENTIAL EQUATIONS (2 hrs.) Methods of solution of ordinary differential equations and applications to the physical sciences. Frobenius' and Picard's methods for power series solutions, Laplace transforms, numerical methods, boundary value problems, Fourier series, partial differential equations, the Laplacian equations and applications to heat conduction and vibration. Prerequisite: Mathematics 201-202.

*MATH. 428 APPLIED MATHEMATICS (3 hrs) Applications of ordinary and partial differential equations to problems in physics, chemistry and electricity; vibrating string and heat flow problems; vector calculus and applications. Prerequisite: Mathematics 425.

MATH. 477 or 478 SEMINAR IN MATHEMATICS (1 to 3 hrs.) Special reports prepared and presented by the students under supervision. The work of the second semester will help prepare the student for the comprehensive examination. Required of all students concentrating in the Field of Mathematics. Open only to seniors.

*MATH. 479 or 480 METHODS AND MATERIALS IN TEACHING MATHEMATICS (2 or 3 hrs.) Approved methods in teaching mathematics at the secondary level; class period activities of the teacher; procedures and devices in teaching; organization of materials, testing, aims, and modern trends. Open only to juniors and seniors who expect to teach. Offered in 1968-1969.

MATH. 487-488 INDEPENDENT STUDY IN MATHEMATICS (1 to 3 hrs.)

MATH. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced projects and minor research studies. Enrollment limited to students concentrating in Mathematics who are seniors of superior ability and achievement. Permission of the Chairman of the Department required.

MUSIC

AIMS

To promote understanding and appreciation of works of musical art of generally recognized excellence in relation to cultural conditions of their respective periods through integrated study of music theory, history, literature and performance; to provide the college community with stylistically sound performances of good works; and to provide thorough basic training in musicianship on the pre-professional level.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN MUSIC

A minimum of 37 hours including Music 143-144, 303-304, 343, 327-328, nine hours in the 201-206 sequence, 478, and nine hours of applied music of which two to four hours may be in ensemble credit, at the discretion of the Chairman of the Department.

LITERATURE AND THEORY OF MUSIC

MUS. 101 INTRODUCTION TO MUSIC AS AN ART AND SCIENCE (2 hrs.) The elements of tonal relationships, simple rhythms, intervals, melodies in both major and minor modes; designed to give the student the ability to recognize, reproduce and record simple melodic and rhythmic patterns.

MUS. 111-112 THEORY I, II (3 hrs.) The traditional disciplines of harmonization, modulation and the relationships of melodic progression, embellishment and rhythm are presented in concept and practical application. Beginning with the rudiments of music structure, the principles and procedures of tonal music are logically approached. Emphasis on ear training through sight-singing, tonal-rhythmic dictation and keyboard exercises.

MUS. 201 THE ROMANTIC PERIOD (3 hrs.) A general listener's approach to the music, instrumental and vocal, of composers from Schubert, Chopin, Schumann and Mendelssohn through Liszt, Berlioz, Verdi, Wagner, Brahms, Tschaikowsky and other 19th c. composers.

MUS. 202 TWENTIETH CENTURY MUSIC (3 hrs.) A general listener's approach to music in various media from the Impressionists through Stravinsky, the Schönberg school, Bartok, Hindemith, the American, Soviet, and other significant composers, including electronic and aleatory music.

*MUS. 203 MUSIC OF THE BAROQUE PERIOD (3 hrs.) A general listener's approach to music in various media from Monteverdi to c. 1750 with considerable emphasis on Bach and Handel. Offered in 1968-69.

*MUS. 204 THE CLASSICAL PERIOD (3 hrs.) A general listener's approach to the music, instrumental and vocal, of the late 18th and early 19th centuries heavily concentrated upon Haydn, Mozart, Beethoven and Schubert. Offered in 1968-69.

MUS. 206 JAZZ (2 hrs.) A general listener's approach to the history of jazz from its African, Cuban and American Negro origins through Ragtime, the New Orleans, Kansas City and Chicago styles, Swing, Bop, Progressive, Rock and other jazz styles.

*MUS. 303-304 THEORY III, IV (3 hrs.) A comprehensive extension of first year procedures. Techniques of controlled dissonance, melodic-rhythmic chord generation and multiple melody development. Intensive study of stylistic elements of the Classical and Baroque periods, and an introduction to characteristics of the later chromaticism, impressionism, pan-diatonicism, and the various styles of atonality. Continued emphasis on aural perception. Offered in 1967-68.

MUS. 327-328 MUSIC HISTORY (2 hrs.) The historical significance of the main periods and types of music. Requires some technical background.

*MUS. 343 COUNTERPOINT (2 hrs.) Basic principles of writing two, three, and four-voice counterpoint, and their application in the smaller forms of composition. Offered in 1968-69.

*MUS. 344 ORCHESTRATION (2 hrs.) A course in arranging music for various types of instrumental ensembles. Offered in 1968-69.

MUS. 422 INSTRUMENTAL CONDUCTING (2 hrs.) The techniques of the baton and the different problems to be met on conducting orchestra and band; the introduction to score reading; an opportunity for experience through the conducting the college instrumental groups. Open only to advanced groups.

MUS. 439 CHORAL CONDUCTING (2 hrs.) The technique of the baton and the different problems to be met in conducting chorus; the introduction to score reading; an opportunity for experience through the conducting of the college choral groups. Open only to advanced students.

MUS. 478 SEMINAR (1 hr.) Survey and review of the field of music; its history, theory and literature. Required of all students concentrating in the field of Music. Open only to seniors.

MUS. 479 MUSIC EDUCATION (3 hrs.) (Methods and materials of Teaching Music in the Elementary Schools.) Consideration of the aims and values of elementary school music with opportunities to develop teaching techniques, and to become familiar with the standard materials.

MUS. 480 MUSIC EDUCATION (3 hrs.) (Methods and Materials in Teaching Music in the Secondary Schools.) Analysis of music offered in senior and junior high schools throughout the United States. Consideration of problems, objectives and materials in teaching vocal and instrumental music, theory and appreciation courses in secondary schools. Opportunities for developing practical teaching projects.

MUS. 487-488 INDEPENDENT STUDY IN MUSIC (1 to 3 hrs.)

MUS. 491-492 HONORS COURSE (1 to 3 hrs.) Projects and minor research studies in special fields of music, or creative work of an advanced nature. Enrollment limited to students concentrating in Music who are seniors of superior ability and achievement. Permission of the Chairman of the Department required.

APPLIED MUSIC (Courses in applied music may be repeated for credit.)

MUS. 121-122 CLASS STRINGS (1 hr.) Class instruction in the basic techniques of stringed instruments. Required of all students with a concentration in Music Education.

MUS. 123 CLASS INSTRUCTION IN BRASS INSTRUMENTS (1 hr.) Required of all students with a concentration in Music Education.

MUS. 124 CLASS INSTRUCTION IN WOODWIND INSTRUMENTS (1 hr.) Required of all students with a concentration in Music Education.

MUS. 125-126 CONCERT CHOIR (1 hr.) The preparation for concert performance of standard choral literature, both sacred and secular. Membership limited, enrollment by audition.

MUS. 127-128 MALE CHORUS (1 hr. per year) The study and performance of concert repertoire for male voices. Membership limited; enrollment by audition.

MUS. 129-130 ORCHESTRAL ENSEMBLE (1 hr. per year) The study and performance of standard orchestral or chamber literature with occasional public performances.

MUS. 131-132 BRASS CHOIR (1 hr. per year) The study and performance of baroque and contemporary music for brass instruments. Enrollment by audition.

MUS. 133-134 BAND (1 hr. per year) An ensemble of wind and percussion instruments which plays for festive and athletic events of the college. Enrollment by approval of the director.

MUS. 135-136 CHAMBER MUSIC (1 hr. per year) Study and occasional performance of the standard chamber literature — quartets, trios, other works suited to the instrumentalists available. Admission by audition.

MUS. 141-142 ORGAN (1 or 2 hrs.) Technique, theory and literature of the organ. Open to all students who have had some training in either piano or organ. Private lessons. Enrollment by permission of the instructor.

MUS. 143-144 PIANO (1 or 2 hrs.) Literature and technique of piano playing designed to develop in the students a discriminating appreciation of fine music and fine musical performance. Private lessons. Enrollment by permission of the instructor.

MUS. 145-146 STRINGS (1 or 2 hrs.) Private lessons in violin, viola, cello or bass. Course open to beginners as well as to students with previous training. Enrollment by permission of the instructor.

MUS. 147-148 VOICE (1 or 2 hrs.) Vocal technique, theory and literature. Open to all students who have adequate native ability with or without previous vocal training. Private lessons. Enrollment by permission of the instructor.

MUS. 149-150 WIND INSTRUMENTS (1 or 2 hrs.) Private lessons in basic brass and woodwind instruments. Open to beginners as well as to students with previous training. Enrollment by permission of the instructor.

MUS. 301-302 ADVANCED ORGAN (1 or 2 hrs.) Open only to students who can demonstrate satisfactorily their ability to play compositions equivalent in difficulty to the following: Bach—G minor Fugue (The Little); D minor Toccata and Fugue; or Widor—Toccata from Symphony V. Private lessons. Enrollment by permission of the instructor.

MUS. 305-306 ADVANCED PIANO (1 or 2 hrs.) Open only to more advanced students who can demonstrate satisfactorily their ability to perform compositions equivalent in difficulty to the following: Beethoven Op. 27 No. 2; Bach—Preludes and Fugues Nos. 2 and 21 (Vol. 1) They will be expected to perform in public recitals from time to time. Private lessons. Enrollment by permission of the instructor.

MUS. 307-308 ADVANCED STRINGS (1 or 2 hrs.) Open only to students who are able to play satisfactorily music equivalent in difficulty to the Kreutzer Etudes and DeBeriot Concertos for violin. Public performance required. Private lessons. Enrollment by permission of the instructor.

MUS. 309-310 ADVANCED VOICE (1 or 2 hrs.) Open only to students who have completed four semesters of voice study, can read at sight, have adequate use of at least one modern foreign language, and can demonstrate the ability to perform numbers equivalent in difficulty to standard operatic and lieder literature. Public performance required. Private lessons. Enrollment by permission of the instructor.

PHILOSOPHY

AIMS

To encourage the student to acquire the knowledge, establish the criteria, and develop the abilities for independent, critical thinking—to “actively” engage in the activity and spirit of Philosophy. To acquaint the student with the basic questions and proposed answers that constitute the richness of our philosophical heritage; to develop the student’s ability to analyze and define issues, sustain arguments, and evaluate evidence; to bring to the student’s awareness how philosophical problems, issues, assumptions, and foundations permeate his own life, thought, actions, attitudes, and commitments, as well as how they permeate the society in which he is called for responsible citizenship.

To provide the student expecting to pursue graduate studies in Philosophy with a sound basis in the major areas of his field.

REQUIREMENTS FOR FIELD OF CONCENTRATION

(1) A minimum of twenty-four hours in the department including Philosophy 202, 301, and 353-354.

(2) A major research paper on a significant topic, to be completed no later than the third week of the last semester of the Senior year.

(3) Students expecting to pursue graduate studies in Philosophy are encouraged to achieve a reading knowledge of French and German (or, possibly, an intensive knowledge of either French or German).

PHIL. 201 INTRODUCTION TO PHILOSOPHY (3 hrs.) An introductory inquiry into the general field of Philosophy. Inquiry will be made in the following special areas: What is Philosophy? With what kinds of problems is Philosophy concerned? What is the place of Philosophy in relation to the other areas of learning and to “an education”? How “meaning and language” have become important, especially in recent studies. An examination of the language we use, the knowledge we claim to have, and our interpretation of the physical world in which we live, the place of reason and sense-experience, induction and perception in our knowing and claiming to know. An inquiry into the way we use language and meaning when we call something good or evil, right or wrong; the language of morals and the language of religion. How we are to understand the relation of mind and body, and our supposed freedom in a world that seems increasingly subject to causal laws.

PHIL. 202 MORAL PHILOSOPHY (3 hrs.) An inquiry into the dimensions of morality in light of major psychological theories of mental health and mature personality, claims of religious experience, and claims of ethical naturalism. An examination of the ethical relevance of such theories for motivation, freedom and moral obligation, the possibility of knowing values and adopting value schemes. The possibility of universal moral principles related to moral autonomy and religious experience. An examination of the bearing of these factors on our thinking and decisions in ethics, on problems at personal, inter-personal, and social levels.

***PHIL. 301 BASIC LOGIC (3 hrs.)** An inquiry into the areas of deductive and inductive reasoning. It is of central concern that the student develop the very practical ability: to recognize, construct, and analyze various forms of argument (or reasoning); to recognize the degrees of strength of weakness of the argument forms; and, to discover fallacies in "reasonings" to be aware of the most commonly committed logical errors. Attention will be given to the nature of logic, the concepts of proof, truth, validity, empirical and necessary statements, and various phases of logic, from the traditional syllogism to elementary symbolic quantification.

***PHIL. 353-354 HISTORY OF PHILOSOPHY (3 hrs. each)** Western philosophical thought from the Seventh Century B.C. to modern times. The first semester will be devoted to a study of ancient and medieval philosophers. The second semester will begin with the Renaissance.

***PHIL. 365 REFLECTIVE THINKING (3 hrs.)** An inquiry into the areas of deductive and inductive reasoning; practice in the detection of logical fallacies. Offered in 1967-68.

***PHIL. 373 PHILOSOPHY OF RELIGION (3 hrs.)** An inquiry into the general subject of religion from a philosophical point of view. Attention will be given to contemporary philosophical approaches and techniques in this area, as well as to the core of problems constituting the area's major difficulties. E.g., religious language, meaning, the nature and validity of religious experience and knowledge claims. Offered in 1968-69.

***PHIL. 378 AESTHETICS (3 hrs.)** A consideration of the principal systems of aesthetics and value; the relation of aesthetics and value theories; foundations of aesthetic perception and value, and value judgments; interpretation of the creative activity of the artist, the work of art, and the contemplation and criticism of art objects, including music and the visual and literary arts. Offered in 1968-69.

*PHIL. 402 CONTEMPORARY PHILOSOPHY I: Positivism and Analysis (3 hrs.). This is the first of the two major contemporary trends in philosophical thought. Students who take this course should plan to follow it with Philosophy 404.

*PHIL. 404 CONTEMPORARY PHILOSOPHY II: Phenomenology and Existentialism (3 hrs.). This is the second of the two major trends in contemporary philosophical thought. This course is independent of Philosophy 402 and may be taken without that course. It is recommended, however, that a student who takes one take both. Offered in 1968-69.

*PHIL. 405 or 406 AMERICAN PHILOSOPHY (3 hrs.) The development of philosophical ideas in the United States from colonial ideas to the present. Certain outstanding personalities or selected periods may be given special emphasis.

PHIL. 447 or 478 SEMINAR IN PHILOSOPHY (2 hrs.) Intensive examination of the perspective of one great Western philosopher, or one major problem or related group of problems, or one major tendency. Permission of the instructor required.

PHIL. 487-488 INDEPENDENT STUDY IN PHILOSOPHY (1-3 hrs.)

PHYSICAL EDUCATION AND HEALTH

AIMS

To promote the health education and physical development of the student; to provide opportunities for students to participate in and secure a reasonable degree of proficiency in recreational activities; and to train physical education and recreation leaders for educational and community situations.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty hours in the department which should include the following courses: Physical Education 125, 227, 442, 464, 471, 480; Sociology 201; Biology 101-102, 201 and 425 or 167 are recommended. Sequence of courses subject to approval of the Senior Adviser.

REQUIREMENTS FOR ALL STUDENTS FOR GRADUATION

Freshmen: Physical Education 101-102 is required. Physical Education 125 may be elected in the freshman or sophomore year or Biology 101 may be offered as a substitute. Sophomores: Physical Education 201-202 is required of all students but permission may be granted to substitute equivalent hours from Physical Education 169-170, 227-228, 243, 301-302 or work in varsity athletics.

One hour's credit will be given for a season's work in varsity athletics, i.e., football, basketball, track, baseball, golf, swimming, cross country, tennis, and wrestling, provided students enroll for Physical Education 201-202. Not more than a total of four hours credit towards graduation will be allowed from courses 101-102, 201-202, and varsity athletics.

All students will be required to pass a swimming achievement test prior to graduation. Students who are physically unfit as certified by the college physician may petition to be allowed to substitute hours in other courses in lieu of activity courses in physical education. Students who are not candidates for a degree may be exempt from the requirements of physical education. Any petition for exemption from physical education must be filed with the college physician at the Infirmary.

PHYS. ED. 101-102 FRESHMAN ORIENTATION IN PHYSICAL EDUCATION (1 hr.) The techniques and rules of a wide variety of team sports. An activity course. Three periods per week. Required of all freshmen.

PHYS. ED. 125 PERSONAL HYGIENE (2 hrs.) Fundamental knowledge of personal hygiene and how the health of the individual may be conserved.

PHYS. ED. 167 INTRODUCTION TO MAMMALIAN ANATOMY AND PHYSIOLOGY (3 hrs.) (See Biology 167).

PHYS. ED. 169-170 FOLK DANCING (1 hr.) Folk dancing from many countries. English and American country dances during the first semester and European dances during the second semester. An activity course. Two periods per week.

PHYS. ED. 201-202 SOPHOMORE PHYSICAL EDUCATION (1 hr.) Individual sports; planned for sophomores who desire to elect a general recreation course. An activity course. Three periods per week.

PHYS. ED. 226 COMMUNITY HYGIENE (2 hrs). Health matters pertaining to the social group; communicable diseases; vital statistics; legal and social regulations relating to personal and community health.

PHYS. ED. 227 ELEMENTARY SWIMMING (1 hr.) Instruction for beginners in buoyancy and flotation. Preliminary tests for swimming and such strokes as elementary back, side, and crawl. An activity course. Three periods per week.

PHYS. ED. 228 ADVANCED SWIMMING (1 hr.) Correct form of the more advanced strokes, as the trudgen, American crawl, racing back and breast, diving and life saving. An activity course. Three periods per week.

PHYS. ED. 229 LIFE SAVING AND WATER SAFETY (1 hr.) Instruction in Life saving techniques as strokes used, defensive tactics, carries, releases, resuscitation and basic first aid procedures. Satisfactory completion of the course leads to the American Red Cross Certificate in Senior Life Saving.

PHYS. ED. 240 SOCIAL DANCING (1 hr.) Instruction in the modern social dance steps. An activity course. Two periods per week.

PHYS. ED. 243 TUMBLING AND STUNTS (1 hr.) Begins with individual stunts and advances to more intricate work. An activity course. Two periods per week.

PHYS. ED. 267-268 THEORY AND PRACTICE OF TEAM SPORTS (2 hrs.) Intensive practice with opportunity for officiation in team sports for men and women.

PHYS. ED. 301-302 MODERN DANCING (1 hr.) Contemporary dancing, emphasizing the use of the fundamental expressive movements in creative work. An activity course. Two periods per week.

*PHYS. ED. 303 COACHING FOOTBALL (2 hrs.) Fundamentals, offensive and defensive styles of play, rules of the game and officiating.

*PHYS. ED. 304 COACHING BASKETBALL (2 hrs.) Fundamentals, offensive and defensive styles of play, rules, officiating and the place of basketball in the intramural program.

PHYS. ED. 306 WATER SAFETY INSTRUCTORS, COACHING SWIMMING AND DIVING (2 hrs.) Instruction in methods of teaching aquatic skills including swimming strokes, diving and advanced life saving. An introduction to coaching competitive swimming and diving. Satisfactory completion of the course leads to certification as an American Red Cross Water Safety Instructor.

PHYS. ED. 325 INTRAMURAL SPORTS (2 hrs.) Organization, administration and objectives of the intramural program of athletics.

*PHYS. ED. 326 BASEBALL, TRACK AND FIELD (2 hrs.) Strategy and fundamentals of baseball, track and field. Offered in 1967-68.

*PHYS. ED. 327 COMMUNITY RECREATION (3 hrs.) The philosophy of American recreation and community organization for leisure time activities.

*PHYS. ED. 328 RECREATION LEADERSHIP (3 hrs.) Recreational activities; practice in the leadership of games, square dancing, playground activities, with a two hour laboratory for handicrafts.

*PHYS. ED. 340 PREVENTION AND CARE OF INJURIES (2 hrs.) Common hazards of play and athletics. Preventive measures and treatment of injuries. Red Cross First Aid Certificate may be earned by those who pass the examination.

*PHYS. ED. 341 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION (2 hrs.) Methods used in evaluating outcomes of the physical education program. Offered in 1967-68.

*PHYS. ED. 402 ADAPTED PHYSICAL EDUCATION (2 hrs.) Variations of the normal types of the human organism at different age levels; therapeutic measures, especially those which refer to the correction of mechanical defects. Prerequisites: Biology 201, 425, or 167. Offered in 1967-68.

PHYS. ED. 424 KINESIOLOGY (3 hrs.) Fundamental body movements and their relation to body development and efficiency. Prerequisite: Biology 201 and 425.

*PHYS. ED. 425 PHYSIOLOGY (3 hrs.) (Biology 425.) Structure and functions of the human body; the mechanism of bodily movements, responses, reactions, and various physiological states. Prerequisites: Biology 101-102 and 201. Offered in 1967-68.

PHYS. ED. 428 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (3 hrs.) Administrative relationships and procedure in the conduct of physical education. Offered on demand.

PHYS. ED. 439-440 THEORY AND PRACTICE OF INDIVIDUAL SPORTS (2 hrs.) Intensive practice in badminton, archery, tennis, handball, golf, and life saving with a study of the rules of each and of methods used in teaching.

*PHYS. ED. 441 HISTORY OF PHYSICAL EDUCATION (2 hrs.) Development of physical education from ancient times to the present. Offered in 1967-68.

*PHYS. ED. 442 PRINCIPLES OF PHYSICAL EDUCATION (3 hrs.) Principles basic to a program of physical education in the modern educational system. Offered in 1967-68.

PHYS. ED. 464 TEACHING OF HEALTH (3 hrs.) (Health Problems of the School Child). A course designed to provide students with opportunities to study health problems, activities, and methods of teaching the school child.

PHYS. ED. 471 SEMINAR IN PHYSICAL EDUCATION (1 hr.) A survey of the field of health and physical education and the current literature relating to investigations in the field. Prerequisites: Physical Education 425 and 442. Open only to upper division students. Required of all students concentrating in the Field of Physical Education.

PHYS. ED. 480 METHODS AND MATERIALS IN TEACHING PHYSICAL EDUCATION (2 hrs.) Methods, materials and techniques pertinent to the teaching of Physical Education.

PHYS. 487-488 INDEPENDENT STUDY (1 to 3 hrs.)

PHYS. ED. 491-492 HONORS COURSE (1 to 3 hrs.) Special problems and minor research studies in physical education. Enrollment limited to students concentrating in Physical Education who are seniors of superior ability and achievement. Permission of the Chairman of the Department required.

PHYSICS

AIMS

To give the liberal arts student some insight into our universe and its physical laws, with emphasis upon the scientific method.

To present to the pre-professional student a general knowledge of physics and its laboratory methods that are applicable to his field.

To provide students concentrating in this field with a thorough and practical education in Physics for teaching, work in industry, or graduate studies.

REQUIREMENTS FOR FIELD OF CONCENTRATION

A minimum of thirty-two hours in the department, including 301-302, 303, 304, 305-306, 325-326 and 343-344. A reading knowledge of German and French are recommended for students expecting to do graduate work. Mathematics or chemistry is strongly recommended as the related field. Sequence of courses subject to approval of the Chairman of the Department.

A combined plan with Columbia University is available to pre-engineering students. Special programs are offered in cooperation with the Department of Education to students interested in the teaching of science.

PHYS. 101-102 GENERAL PHYSICS (4 hrs.) A continuous course with laboratory work. First semester: mechanics, heat and sound. Second semester: electricity, magnetism, light and modern physics. A fundamental course which is a prerequisite to all advanced physics courses. Open to freshmen.

***PHYS. 301-302 MECHANICS (3 hrs.)** Particle mechanics; central force motions; motions of rigid bodies; free, forced and coupled oscillations; elasticity; fluid motion; wave motion; special theory of relativity. Prerequisites: Physics 101-102 and Mathematics 201-202. Offered in 1968-69.

***PHYS. 303 THERMOPHYSICS (3 hrs.)** Temperature, calorimetry, expansion, conductivity, change of state and radiation; thermodynamics and kinetic theory. Prerequisites: Physics 101-102 and Mathematics 201-202.

***PHYS. 304 GEOMETRICAL AND PHYSICAL OPTICS (3 hrs.)** Theories of light, reflection, refraction, interference, diffraction, polarization, geometrical optics, optical instruments, vision and spectroscopy. Prerequisites: Physics 101-102 and Mathematics 201-202.

*PHYS. 305-306 ELECTRICITY AND MAGNETISM (3 hrs.) Electrostatics, magnetostatics, scalar and vector fields, Poynting's vector, Maxwell's equations, Gauss' and Stoke's theorem, waveguide propagation. Prerequisites: Physics 101-102 or permission of Chairman of Department. Offered in 1968-69.

*PHYS. 325-326 MODERN PHYSICS (3 hrs.) Conservation laws, particle and wave mechanics, special relativity, Bohr theory, X-rays, nuclear structure and reactions, uncertainty principle, Schrodinger's equation. Prerequisites: Physics 101-102 or permission of Chairman of Department.

*PHYS. 328 ELECTRONICS FOR SCIENTISTS (3 hrs.) Fundamentals of vacuum tubes and transistors with emphasis on the use of equipment for research; power supplies, amplifiers, transducers, and test equipment. Prerequisites: Physics 101-102 or permission of Chairman of Department.

PHYS. 343-344 SOPHOMORE EXPERIMENTAL PHYSICS (2 hrs.) Intermediate experiments in physics using the Berkeley Laboratory series of experiments. Prerequisites: Physics 101-102 or permission of Chairman of Department.

PHYS. 365-366 SPECTROSCOPIC ANALYSIS (2 hrs.) A practical course in photography and analysis of spectra including: making, processing and printing of pictures; study of flame and arc spectra; use of grating and prism spectrographs, comparator, densitometer, and conversion technique; applications to chemical analysis. Registration with permission of Chairman of the Department.

PHYS. 375-376 PROBLEMS IN PHYSICS (1 hr.) Solution of more advanced problems in the various fields of physics. Prerequisites: Physics 101-102.

PHYS. 441-442 JUNIOR EXPERIMENTAL PHYSICS (2 hrs.) A comprehensive course of individual laboratory work in the various fields of physics. Selection of experiments is based on the ability and interest of the student and on the available facilities. Prerequisites: Physics 343-344.

*PHYS. 451-452 MATHEMATICAL PHYSICS (3 hrs.) Application of advanced mathematical methods used in solution of problems in physics. Legendre and Hermite polynomials, Bessel functions, Laplace transformations, matrix and tensor notation, boundary value problems, operators, data analysis, and least square fits. Registration with permission of Chairman of Department. Physics 452. Offered in 1967-68.

PHYS. 477-478 SEMINAR IN PHYSICS (1 hr.) A survey of Physics for review and correlation of the various fields in the discipline. Registration by permission of the Chairman of the Department.

PHYS. 480 METHODS AND MATERIALS IN TEACHING PHYSICS (2 or 3 hrs.) Methods and practice in classroom and laboratory instruction. Collateral reading and reports on the history of physical science. Required of all students expecting to teach physics.

PHYS. ED. 487-488 INDEPENDENT STUDY (1 to 3 hrs.)

PHYS. 491-492 HONORS COURSE (1 to 3 hrs.) Advanced experimental work and minor research problems. Experimental physics is offered in fields of vacuum systems, machine tool operation, electronic systems, spectroscopy, electron microscopy, microwave propagation, and nuclear radiation. Enrollment limited to seniors of superior ability and achievement who are concentrating in Physics. Permission of the Chairman of the Department required.

PHYSICAL SCIENCE

PHYS. SCI. 101-102 PHYSICAL SCIENCE (4 hrs.) A survey of the fields of astronomy, geology, physics and chemistry, with appropriate laboratory work. This course may be used to satisfy the science requirement. Open to freshmen. Students planning to complete a field of concentration in Chemistry or Physics should not enroll in this course.

Certain courses are offered by the regular Bethany faculty in the curriculum for junior High School Teachers of Science as sponsored by The National Science Foundation.

PHYS. SCI. 501-s INTRODUCTORY SCIENCE FOR GENERAL SCIENCE TEACHERS (6 sem. hrs.) Based on new materials developed by Educational Services, Inc. for the Junior High School, including: atomic and molecular structure; balancing chemical equations; stoichiometry of chemical reactions; electronics and simple radio theory; electromagnetic radiations. Approximately three-fourths of the time will be devoted to laboratory. Experiments suggested in the IPS syllabus will be studied. Five 45-minute class discussion periods and four 3-hour laboratory periods (or equivalent) per week for 8 weeks.

MATH. 502-s BASIC MATHEMATICS FOR GENERAL SCIENCE TEACHERS (1 sem. hr.) Deals with the mathematical tools needed to teach the IPS course. Topics include linear and quadratic equations; tabular and graphical presentation of laboratory data; pro-

portion: logarithms; and elementary statistical analysis of errors. Drill on mentally approximating answers to simple arithmetical operations. A workbook will be used. Five 45-minute class periods per week for 8 weeks.

PHYS. SCI. 577-s SEMINAR IN TEACHING INTRODUCTORY PHYSICAL SCIENCE (1 sem. hr.) Aspects of teaching IPS in junior high schools; course planning; methods and materials; audio-visual aids; evaluation and testing; other topics growing out of the work of the Institute or suggested by participants. Two 45-minute periods per week for 8 weeks.

PSYCHOLOGY

AIMS

The department assists the student in gaining a basic knowledge of psychology as the experimental science of man's behavior; in developing social awareness and social adjustment through understanding of the fundamental similarities and differences among men; in promoting creative and critical thinking; in giving background preparation for professions which deal with individual and group behavior; in encouraging students to enter the field, whether in teaching, research, or applied psychology.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Concentration in psychology requires Biology 101-102 and a minimum of thirty hours in the department, including Psychology 101-102, 361-362, 477 or 478, and two of these three: 371, 372, 374. No student will be recommended for graduate school who has not had a year of Mathematics. Mathematics 327 and Sociology 201 are highly desirable. The student is reminded that most graduate schools require a reading knowledge of French or German or both for higher degrees.

PSYCH. 101 GENERAL PSYCHOLOGY I (4 hrs.) An introduction to the general field of psychology; perception, learning, motivation, personality. Three lectures and one laboratory period each week. Prerequisite to all other courses in the department except those designated "No prerequisite."

PSYCH. 102 GENERAL PSYCHOLOGY II (3 hrs.) A continuation of Psychology 101. Abnormal behavior, social behavior, psychological testing, reasoning, applications of psychology. Two lectures and one laboratory period each week. Desirable as a prerequisite to courses in the department other than Psychology 101.

PSYCH. 300 INSTRUMENTAL SYNTHESIS: PRE-PROGRAMMING OF LABORATORY EVENTS AND SYSTEMS OF EVENTS (1 to 3 hrs.) A study of solid-state logic equipment, and of the underlying symbolic logic. No prerequisites, but will not satisfy graduation requirements for courses in the sciences.

PSYCH. 311 SOCIAL PSYCHOLOGY (3 hrs.) (Compare Soc. 311.) The study of the development of the self as influenced by the learning of symbolic interaction with members of primary and secondary groups. Discussion of factors in socialization, public opinion, propaganda, psychological warfare, mob, riot, panic, and other forms of group behavior as well as fads, fashions, crazes, and the like. Prerequisite: Psychology 101.

PSYCH. 321 THE NORMAL PERSONALITY (3 hrs.) This course deals with theories of the development of personality. Emphasis will be placed on the normal personality and its development. Prerequisite: Psychology 101.

PSYCH. 322 THE ABNORMAL PERSONALITY (3 hrs.) The study of abnormal personality development including mental deficiency, neuroses, psychoses, and sociopathic behavior. Prerequisite: Psychology 101.

PSYCH. 326 ANIMAL BEHAVIOR (3 hrs.) A study of various behaviors with both an ethological and a psychological approach. The course studies behavior and its modification through demonstrations, films, and independent projects. This course is taught by staff from the Biology and Psychology Departments. Prerequisite: Psychology 101 or Biology 101.

PSYCH. 331 CHILD AND ADOLESCENT PSYCHOLOGY (3 hrs.) A course devoted to the study of the psychological development of the child through adolescence and, briefly, to the phylogenesis of behavior. Prerequisite: Psychology 101.

PSYCH. 332 EDUCATIONAL PSYCHOLOGY (3 hrs.) A study of the application of psychological principles to the field of Education. Included will be the areas of learning, transfer of training, individual differences, motivation, achievement testing, and the language and communication skills as they apply to education. Prerequisite: Psychology 101.

PSYCH. 335 PSYCHOLOGICAL AND EDUCATIONAL TESTS AND MEASUREMENTS (2 hrs.) The course will deal mainly with group testing, with attention to the construction and use of standardized and of *ad hoc* tests. The necessary correlation techniques will be included. Prerequisite: Psychology 101.

*PSYCH. 336 INDUSTRIAL PSYCHOLOGY (3 hrs.) A study of industrial motivations, human relations training, optimum working conditions, human engineering. Prerequisite: Psychology 101.

PSYCH. 361-362 DESIGN AND ANALYSIS OF EXPERIMENTS IN PSYCHOLOGY (3 hrs. each semester) This course deals with methods of investigation of behavior, with the greater emphasis on the experimental method. Some time will be spent on the general theory of science, and on mathematical statements of scientific, especially psychological, laws, theories, functions. Prerequisite: Psychology 100. No credit given for only one semester of Psychology 361-362. One lecture and two laboratory periods each week.

PSYCH. 371 PSYCHOLOGY OF EMOTION AND MOTIVATION (3 hrs.) A study of the whys of behavior, of methods of discovering what people want, and of the origin and development of their desires, attitudes, value systems, and the like. Emphasis will be on the experimental assessment of sociogenically derived motives. Prerequisite: Psychology 101. Offered irregularly.

PSYCH. 372 PSYCHOLOGY OF LEARNING (3 hrs.) This course will deal with theories of learning. Prerequisite: Psychology 101. Two lectures and one laboratory period each week.

PSYCH. 374 PERCEPTION AND COGNITION (3 hrs.) This course deals with the acceptance and processing of information by the human organism. Prerequisite: Psychology 101. Two lectures and one laboratory period each week.

PSYCH. 381 STATISTICS (3 hrs.) See Math. 381. The psychology laboratory section will use data secured in the psychology laboratory. Prerequisite: Concurrent or previous registration in a psychology course which includes laboratory work.

PSYCH. 391 JUNIOR HONORS SEMINAR (1 to 3 hrs.) Open to Juniors who are considering the desirability of entering Psychology 491-492. The course will discuss the information available in some small section of psychology, the exact topic varying from year to year. Prerequisites: Concurrent enrollment in Psychology 361, and an overall grade average of 3.0.

PSYCH. 401 HISTORY AND SYSTEMS OF PSYCHOLOGY (3 hrs.) A study of the "long past and short history" of psychology, with considerations of various influential theoretical positions, both past and present. Prerequisites: Three semesters of Psychology.

PSYCH. 477 or 478 SEMINAR IN PSYCHOLOGY (1 to 2 hrs.) An advanced general course which is partly a preparation for the comprehensive examination in psychology. Prerequisite: Psychology 201-202 and senior standing.

PSYCH. 487-488 INDEPENDENT STUDY (1 to 3 hrs.)

PSYCH. 491-492 HONORS COURSE (1 to 3 hrs.) The student will carry out a research project, running from the middle of his Junior year to the middle of his Senior year. Prerequisites: Psychology 391 and an overall grade average of 3.0

RELIGION

AIM

The personal integration of faith and learning.

REQUIREMENTS FOR FIELD OF CONCENTRATION IN RELIGION

A minimum of twenty-four hours in the department of which twelve hours must be in the field of Biblical study. Sequence of courses is subject to the approval of the Chairman.

REQUIREMENTS FOR GRADUATION FOR ALL STUDENTS

Religion 100 or more extensive study of the same areas is required of all students qualifying for graduation. Students considering a religious vocation should have Religion 201-202 instead of 100. Those making such decisions after taking Religion 100 should consult with the Chairman.

REL. 100 BASIC STUDIES IN THE JUDAEO-CHRISTIAN HERITAGE (4 hrs.) This course deals with the development of Hebrew faith and literature, the sources of Christianity, the early church, Christian literature, the reformation of church life by Biblical faith, and trends in religion in America.

REL. 201-202 THE BIBLE AS RELIGIOUS LITERATURE (4 hrs.) The books of the Bible are studied for their record of past religious events, their expression of faith at the time of writing, and their significance in past and current reformations of the church.

REL. 211-212 BEGINNING NEW TESTAMENT GREEK (3 hrs.) Inductive methods are used to develop as rapidly as possible an ability to read *koine* Greek. Most of the Fourth Gospel is read during the second semester. Offered in 1968-69.

REL. 300 HEBRAIC SOURCES OF WESTERN CIVILIZATION (3 hrs.) (See also History 300) Three weeks of travel including Israel, Athens and Corinth, Rome, and Geneva. Lectures and seminars will trace historical and religious influences in the development of the Judaeo-Christian heritage of the West. Resources of the universities in Israel will be utilized in this study. A summary paper is required for credit.

This course plus one credit hour of independent or seminar study in American religion may be used to fulfill the basic four credit hour requirement, equivalent to Religion 100, in the Group I requirements for graduation. This course may also be used in partial fulfillment of the requirements in Group III or Group IV when the Group I requirement has already been met. The approximate cost to students for travel, lodging, meals, and tuition will be \$900.

*REL. 327-328 COMPARATIVE RELIGIONS (3 hrs.) A study of the most important features of Hinduism, Buddhism, Confucianism, Taoism, Zoroastrianism, and Islam.

*REL. 331 THE PROPHETS (3 hrs.) The origin and nature of Old Testament prophecy. The mission and message of some of the leading prophets. Prerequisite: Religion 100 or 201. Offered in 1968-69.

*REL. 332 THE WISDOM OF ISRAEL (3 hrs.) An analysis of the meaning and significance of Job, Ecclesiastes, and other Old Testament wisdom literature. Prerequisite: Religion 100 or 201. Offered in 1968-69.

REL. 333 STUDIES IN THE GOSPELS (3 hrs.) Methods of study in gospel literature are applied to the interpretation of the meanings of the Gospels. Prerequisite: Religion 100 or 201.

REL. 334 STUDIES IN PAULINE WRITINGS (3 hrs.) The letters and thinking of Paul are studied for an understanding of his principal contributions to Christian faith. Prerequisite: Religion 100 or 201.

REL. 341 INTRODUCTION TO CHRISTIAN MINISTRIES (1 or 2 hrs.) A seminar required for ministerial students who are at the beginning of a period of regular service to a church.

*REL. 346 RELIGIONS IN AMERICA (1-3 hrs.) A seminar study of the shaping of the dominant religious trends in America compared with the more extreme patterns, with inquiry into social and psychological functions of both. Offered in 1968-69.

REL. 360 THE MAKING OF THE MODERN JEW (2 hrs.) A seminar study of historical, social, and religious forces which have created the life of the modern Jew. Note: This course is taught by a lecturer provided for by a grant from the Jewish Chautauqua Society.

*REL. 411-412 INTERMEDIATE NEW TESTAMENT GREEK (3 hrs.) Selections from the Synoptic Gospels and the letters of Paul are read, with study of forms and expansion of vocabulary.

*REL. 421 VARIETIES OF RELIGIOUS DEVELOPMENT (3 hrs.) A seminar study of ways in which personal religious faith develops, with particular attention to patterns in children, changes in adult life and reactions of persons under stress.

*REL. 422 EDUCATIONAL WORK OF CHURCH AND FAMILY (3 hrs.) How the church and the home provide for religious development. A seminar study.

REL. 423 PRACTICUM (1 to 3 hrs.) Work at supervised assignments in an approved church program, four to twelve weeks usually in summer. Credit determined by length of assignment, reports on activities and assigned readings, and summary paper.

*REL. 451-452 CHRISTIAN BELIEFS (3 hrs.) A seminar study of Biblical doctrines and their relationship to historic and contemporary faith and life.

REL. 478 SEMINAR IN RELIGION (1 hr.) A seminar on the integration of the field of the comprehensive examination. Prerequisite: at least 18 hours of study in the department.

REL. 487-488 INDEPENDENT STUDY IN RELIGION (1 to 3 hrs.)

REL. 491-492 HONORS COURSE (1 to 3 hrs.) Special problems and research studies in religion. Readings, conferences and reports on an area of special interest. Limited to students of superior ability and achievement. Permission of the Chairman of the Department required.

SOCIOLOGY AND ANTHROPOLOGY

AIMS

The Department seeks to provide a broad and varied curriculum to serve those planning a liberal education, those planning to go on to graduate school, those interested in related professional work, and as a resource for students in other departments. The primary purpose of the Department is to advance sociological knowledge within the broader aims of the total liberal arts curriculum.

REQUIREMENTS FOR FIELD OF CONCENTRATION

Flexibility is allowed the student in the completion of departmental requirements. Each student is required to complete a minimum of twenty-four hours. It is strongly urged that those planning to continue in graduate school complete thirty-six hours.

Sociology 204 is a prerequisite to all other courses for students concentrating in the field of Sociology. Students seriously considering sociology as a professional background are advised to take Sociology 301, 427, and 440.

SOCIOLOGY

SOC. 201 INTRODUCTORY SOCIOLOGY (3 hrs.) An analysis of the fundamental sociological perspectives, methods and concepts used in studying society. An introduction to the sociological analysis of the contemporary structure and process of society, culture patterns, major social institutions, social interaction, social control, social disorganization, and social change.

SOC. 202 CONTEMPORARY U.S. SOCIAL PROBLEMS (3 hrs.) A study of some of the major social problems now confronting our society, such as crime and delinquency, divorce and family problems, race and minority group relations, personal pathologies, censorship and civil liberties, and the like.

SOC. 206 THE FAMILY (3 hrs.) The structure and function of the family in America and in various other societies. The comparative analysis of the relation of the family to personality, society, and culture.

SOC. 301 SOCIAL DISORGANIZATION AND DEVIANT BEHAVIOR (3 hrs.) An analysis of the theories and problems of social disorganization and deviancy in human behavior: delinquency, crime, and related problems.

SOC. 311 SOCIAL PSYCHOLOGY (Psychology 311) (3 hrs.) The study of the development of the self as influenced by the learning of symbolic interaction with members of primary and secondary groups. Discussion of factors in socialization, public opinion, propaganda, psychological warfare, mob, riot, panic, and other forms of group behavior as well as fads, fashions, crazes, and the like.

SOC. 326 CULTURE CONTACT AND SOCIAL CHANGE (3 hrs.) Theories of social change; problems of modernization in emergent nations; the nature of the traditional societies; comparative study of the impact of the Western civilization on the social structure, culture, and personality.

SOC. 327 SOCIAL STRATIFICATION (3 hrs.) Analysis of the system of social institutions of the contemporary United States in comparison with other societies. Emphasis will be placed on kinship, division of labor, economy, caste and class, religion, the organization of power structure, and education.

SOC. 329 INDUSTRIAL SOCIOLOGY (3 hrs.) The structure and function of industry; ideologies of management and labor; industrial relations and organization involving the problems of integration, conflict, and change.

SOC. 381 SOCIOLOGICAL STATISTICS (See Math 381) (3 hrs.) The course seeks to help the student understand how the sociologist handles quantitative data in the testing of hypotheses. An examination of the most basic concepts in statistics utilized by sociologists with the primary emphasis upon comprehension and interpretation of the usage of these tools rather than their mathematical derivations.

SOC. 402 THE STUDY OF POPULATION (3 hrs.) The study of growth, distribution, composition, and characteristics, and related implications of the world's population. Examination of the theories of Malthus and other writers.

SOC. 427 MODERN SOCIOLOGICAL THEORY (3 hrs.) A critical examination of the theoretical contributions of Durkheim, Marx, Max Weber, Simmel, Parsons, Merton, and other selected theorists.

SOC. 440 METHODS OF SOCIAL RESEARCH (3 hrs.) An examination of the theory and methods of social research and research techniques. Prerequisite: Sociology 303.

SOC. 478 SENIOR SEMINAR (3 hrs.) Required of all students concentrating in the field. This course has three purposes: to integrate preceding work of the department; to give each student an opportunity to develop his particular interest in cooperation with the other members of the seminar group; and to prepare for the senior comprehensive examination.

SOC. 487-488 INDEPENDENT STUDY (1-3 hrs.)

SOC. 491-492 HONORS COURSE (1-3 hrs.) Advanced projects and minor research studies. Readings, conferences, and reports on a field of special interest. Enrollment limited to students concentrating in the field who are seniors of superior ability. Permission of the Chairman of the Department required.

ANTHROPOLOGY

ANTHRO. 201 INTRODUCTION TO ANTHROPOLOGY (3 hrs.) General survey of the fields of anthropology; the nature of paleolithic men and cultures; human and cultural evolution in prehistoric and more recent times.

ANTHRO. 325 CULTURAL ANTHROPOLOGY (3 hrs.) The study of recent and contemporary man, with emphasis on economic life, kinship systems, political organization, art, religion, and magic. Prerequisite: Anthro. 201.

SPEECH AND DRAMA

AIMS

To assist the individual to develop attitudes and techniques for effectiveness in oral communication; and to assist the student toward the sort of personality manifestation that makes for creative individuality.

The student primarily interested in the field of Speech and Drama may elect a field of concentration in Fine Arts or in the field of Communications with an emphasis in Speech and Dramatics.

SPEECH 201 FUNDAMENTALS OF SPEECH (3 hrs.) Basic principles of effective speech. A course for beginning students with major emphasis on delivery. Attention is given to elementary speech composition, development of confidence and poise, vocabulary building, pronunciation and enunciation, speech psychology, and personality manifestation through the delivery of speeches.

SPEECH 202 ADVANCED PUBLIC ADDRESS (3 hrs.) Advanced principles of speech preparation and delivery. Detailed speech composition and active participation in classroom lectures, panels, and symposia on American Orators. Prerequisite: Speech 201.

SPEECH 225 THE HUMAN VOICE (3 hrs.) A study of the physiology of speech and of effective use of the voice. Practice of techniques to improve speech patterns and eliminate faulty speech habits. Study and practice of reading aloud from literature with emphasis on discovering and communicating the authors meaning.

SPEECH 301 INTRODUCTION TO THE THEATRE (3 hrs.) A practical consideration and application of the various arts and crafts which go to make up the theatre; dramatic theory and criticism; and a consideration of the place and importance of the theatre in our culture.

SPEECH 302 INTRODUCTION TO RADIO AND TELEVISION (3 hrs.) Designed to give the student an over-all picture of the operational procedure in stations and networks; to develop a knowledge and appreciation of radio and television as powerful media of mass communication in our modern society. Field trips to radio and television stations at student expense.

SPEECH 303 RADIO WORKSHOP (1-2 hrs.) A workshop in practical radio designed for students working in radio on college station. Weekly one hour workshop-seminar session in addition to regular work at station duties. May be repeated up to 5 hours.

***SPEECH 325 SPEECH CORRECTION (3 hrs.)** A study of the normal development of speech in children and of the common speech defects found at various grade levels. Methods of correcting defects in the classroom and ways in which the teacher and therapist can cooperate will be studied. Offered in 1968-69.

SPEECH 356 ARGUMENTATION AND DISCUSSION (3 hrs.) Training in systematic, logical thinking and speaking. Practice in presenting forensic and deliberative arguments. Study of parliamentary procedure. Participation in group discussions, mock trials and debates.

SPEECH 365 PLAY DIRECTION AND PRODUCTION (1-3 hrs.) This course is designed for students who act in and stage College plays. All students enrolled in the course will attend the one hour Actor's Studio Workshop to be arranged each semester. The course may be repeated for credit but the total credit earned may not exceed 6 credit hours.

*SPEECH 366 PRINCIPLES OF ACTING (3 hrs.) Basic acting techniques; historical and modern styles of acting, their principles, theories, and their application in the performance of scenes and plays. Offered in 1968-69.

SPEECH 401 HISTORY OF THEATRE (3 hrs.) A study of the development of theatre in the Western World with a consideration of representative plays from Aeschylus to Albee.

SPEECH 491 SENIOR THESIS (2 hrs.) A project in acting or directing involving the acting of a major role or the direction of a major play and a written thesis defending performance or production of same. Open only to senior drama students. Must be arranged with department chairman a year in advance.

SPEECH 487-488 INDEPENDENT STUDY (1-3 hrs.)

HONORARY DEGREES CONFERRED

ON JUNE 3, 1967

DOCTOR OF DIVINITY

Albert M. Pennybacker, Shaker Heights, Ohio

DOCTOR OF SCIENCE

M. M. Ryan, Detroit, Michigan

DOCTOR OF HUMANE LETTERS

Kenneth W. Underwood, New Haven, Connecticut

DOCTOR OF LAWS

Melvin W. Alldredge, New York, New York

DOCTOR OF PUBLIC ADMINISTRATION

Raymond P. Shafer, Harrisburg, Pennsylvania

BACCALAUREATE DEGREES CONFERRED IN COURSE

CLASS OF 1967

ON JUNE 3, 1967

BACHELOR OF ARTS

Summa Cum Laude

Denise Jeanne Landolt
Virginia Jane Lovette
Ramona Walters Prickett

Magna Cum Laude

Fred M. Harris
Carole Sue Kennen
Edward Paul Stevenson

Cum Laude

Virginia Ann Beachley
Pamela Lynne Johnston
Daniel Taylor Ogden
Linda Lee Staples

Kurt Kramer Hauptfuhrer
Edward Markovich
JoAnne Patterson Ramming
Mary Willis Woodruff

BACHELOR OF ARTS

Charles Frederic Albert
Freda Georgia Alexas
Bruce A. Arbaugh
Thomas McLane Armstrong
Linda Jill Ashcraft
Kerry Anderson Banks
Lane Knox Bassett
Cathryn Linn Bastian

Virginia Ann Beachley
Ronald Stephen Bender
John Wesley Bertram
Herman H. Bolinger
Robert Lee Bradley, Jr.
Lawrence Scott Branch
Jane Ellen Brand
Barrett Osborne Brink

Marilyn Jane Brown
 Charles L. Burrall, III
 Wayne Lee Bute
 James Albert Capstaff
 Neil Francis Case
 Stephen John Clayton
 Susan Diane Coffield
 Richard Alden Cooper
 James McHenry Coulter
 Ronald Eugene Crooks
 James Frank Cullinane
 James Butler Davis
 Roy Clarence Davis, Jr.
 Rudolph DeCanio
 Barbara Joan Decker
 Richard Bross Decker
 Charles John DePrince
 Diane Karen Deutsch
 Carol D. Edele
 Jill Adele Elston
 Greg LaMar Embick
 John Leske Erskine
 Charles Williams Fairbrother
 Kenneth Joseph Farah
 Ann Elizabeth Farnsworth
 Leonard Calvin Filler
 James Vincent Forbes
 Sandra Lee Fowler
 Wayne Roger Frohring
 Alfred Oreste Gardini
 Marilyn Lee Gast
 Gail Bennett German
 Susan Yoder Gratz
 Thomas Rudy Guisler
 Viola Susan Geisel Guisler
 Fred M. Harris
 Abdullah Hatefi
 Kurt Kramer Hauptfuehrer
 Victor James Herbert, Jr.
 Bennett Heilweil Hirsch
 Howard E. Hoffman
 Thomas Alan Hopper
 Marilyn Heth Hughes
 Evan Richard James
 Pamela Lynne Johnston
 Edwin Robert Jolley, III
 Patricia Ann Sharp Jones
 Carole Sue Kennen
 Arthur Boyd Keys, Jr.
 Robert Allen Koch
 Wilma Louise Krayner
 Denise Jeanne Landolt
 Mary Roberta Lang
 Susan Ellen Lasker
 Charles Lawrence Leixner
 Kathleen Ann Lewis
 Barbara Lindell Cipullo
 Douglas C. Lindsay
 JoAnne D. Locke
 Virginia Jane Lovette
 Ben Earl Lusk
 Roderick Allan Mackenzie
 Frank Wickham Mallalieu, III
 Edward Markovich
 Mary Ellen Michele
 Michael Reed Miller
 Kenneth Stephen Mohr
 John Douglas Moran
 Douglas Clark Nern
 Richard Lee Newcomer
 Richard Aulton Nonemaker
 Daniel Taylor Ogden
 Margaret L. Olson
 Ronaleen Ann Osborne
 Mark Weaver Owen
 John Clark Peterson
 Wayne Adair Pierce
 Robert Roger Poggi, Jr.
 Edward Phillips Polack
 Ramona Walters Prickett
 Neil Rabinowitz
 Frank Bailey Rackley, Jr.
 JoAnne Patterson Ramming
 Thomas Wilson Rawson
 William Ezra Reed
 Robert F. Riley, Jr.
 Susan Keller Rodnok
 Robert Joseph Rogers
 Donna Ann Rosensteele
 Mary Pruitt Scangarello
 Peter Thomas Scangarello
 James Gerald Schnell
 George P. Schreiber
 Marilyn Ann Setzer
 David M. Shiffman
 Carolyn Winifred Smith
 Timothy Alexander Smith
 Wilson H. Smith
 Paul Brian Sniffin
 Sieglinde Rosa Soly
 Joseph F. Sprankle, III
 Barbara June Spurgeon
 Linda Lee Staples
 Thomas Matthew Stefanac
 Leon Jay Stein
 Marion Bliss Steinfeld
 Edward Paul Stevenson
 Billie Sue Swindler
 Wendy Verna Thomas
 Irwin W. Tischler
 Gary Wayne Titzel
 Frederick Allan Trautman
 John Michael Valan
 William Shea Wattel
 Rebecca Watts
 Patricia Muller Weiss
 Mary Wilson Whitaker
 Robert C. White
 Marilyn Cobb Wilson
 Mary Willis Woodruff
 Judith Marsh Wutkiewicz
 Sandra Higginson Young

BACHELOR OF SCIENCE

Summa Cum Laude

Jerry Robert Allison

Cum Laude

Charles Barrett Abrams

Patricia Ann Fleming

Robert E. Hottel

Frank Lyons Miller

BACHELOR OF SCIENCE

Charles Barrett Abrams

Jerry Robert Allison

Robert Kuster Arnold

Walter Michael Bortz, III

Michael Barnett Clayman

Arthur Douglas Coundjeris

Deloris Kay Dunham

Paul Joseph Ejzak

Sol Stephen Farkas

James Osborne Farrell

Patricia Ann Fleming

Robert Alan Goldstein

Leslie H. Grafman

Howard Joseph Hartman

Robert E. Hottel

James Wakeman Hubbell

Walter A. Hunt

David Kobylka

David Girard Lambert

Charles Edward McGrath, III

Frank Lyons Miller

David Bennett Oguss

Vance Duncan Patterson

Diane Elaine Pritchard

Randolph Roy Rehm

Russell James Rose

John Charles Simms

Jean E. Tye

Stephen Booth Ueland

James Russell Uhrig

ROSTER OF STUDENTS

ACADEMIC YEAR

1966-1967

FRESHMEN

Adams, Janice	Riverhead, New York
Addis, Lawrence S.	Southfield, Michigan
Agliata, Frank	Sommerville, New Jersey
Akers, Margaret	Wheeling, West Virginia
Allen, Carmen Lee	Wellsburg, West Virginia
Allison, Jane	Washington, Pennsylvania
Alpeter, Hugh	Akron, Ohio
Ashbaugh, Glenna	Leechburg, Pennsylvania
Augenstein, Lois	Pittsburgh, Pennsylvania
Austin, Barry	Monroeville, Pennsylvania
Avery, Christopher	Weston, Connecticut
Babcock, Ronald	Stirling, New Jersey
Baer, Michael	Bedford Village, New York
Bailey, Kathleen	Verona, Pennsylvania
Baly, Michael	Weirton, West Virginia
Banscher, Barbara	Cranford, New Jersey
Bastacky, Stanford	Munhall, Pennsylvania
Bates, David	Wauseon, Ohio

Beckner, Andrew	New Cumberland, West Virginia
Becze, Thomas	West Mifflin, Pennsylvania
Bedillion, Richard	Huston, Pennsylvania
Bednar, Dennis	Coraopolis, Pennsylvania
Beerens, Sherry	Charleroi, Pennsylvania
Behler, Rodney	Perry Hall, Maryland
Berberick, Cassandra	Pittsburgh, Pennsylvania
Berry, Douglas	Oceanport, New Jersey
Bickel, Charles	Pittsburgh, Pennsylvania
Bishop, Joan	Philadelphia, Pennsylvania
Black, David	Houston, Texas
Blair, Charlotte	Franklin, Pennsylvania
Blank, Linda	Bakerstown, Pennsylvania
Bodenheim, Brock	Warren, Ohio
Bologna, Susan	Hewlett, New York
Booth, Mark	Indianapolis, Indiana
Borden, Carol	Euclid, Ohio
Bourdeau, Harry	Ashtabula, Ohio
Boyd, Roberta	Shadyside, Ohio
Braff, Michael	Flushing, New York
Braunlick, Michael	Wheeling, West Virginia
Burkhart, Daniel	Rocky River, Ohio
Burns, Michael	Bethel, Connecticut
Burns, Victoria	Pittsburgh, Pennsylvania
Canfield, Richard	Fort Wayne, Indiana
Casey, James	Foxboro, Massachusetts
Cassel, Peter	Buffalo, New York
Casuccio, J. Richard	Steubenville, Ohio
Cattano, Susan	Wheeling, West Virginia
Cauley, Michael	Pittsburgh, Pennsylvania
Chadderdon, Robert	Weston, Connecticut
Checca, Albert	Steubenville, Ohio
Cohen, Sarah	Pittsburgh, Pennsylvania
Coleman, Janice	Ho Ho Kus, New Jersey
Collenberg, Jean	Swathmore, Pennsylvania
Cooley, Greg	Wheeling, West Virginia
Corcoran, James	Katonah, New York
Core, Deborah	Shadyside, Ohio
Covelle, Catherine	Sao Paulo, Brazil
Coy, Sandra	Lower Burrell, Pennsylvania
Craft, William	Wellsburg, West Virginia
Cramblet, Brenda	Bethany, West Virginia
Cramer, Nancy	Pittsburgh, Pennsylvania
Crank, Charles	Huntington, West Virginia
Cross, Merlene	Bedford, Ohio
Crow, Andrew	East Aurora, New York
Culbertson, Sandra	New Athens, Ohio
Daley, Rosemary	Glen Rock, New Jersey
Deer, Virginia	Indianapolis, Indiana
Dersch, Bruce	Bound Brook, New Jersey
Devlin, John J.	Pittsburgh, Pennsylvania
Dillon, Thomas	Danbury, Connecticut
Dimarco, Jay	Cheltenham, Pennsylvania
Dimick, Martha	Granville, Ohio
Dinin, John	Valhalla, New York
Diniz, Cathy	Hudson, Massachusetts
DiRaimo, Steve	Erie, Pennsylvania
Dorrell, Diane	Pittsburgh, Pennsylvania
Douglas, Deitra	Mayaguez, Puerto Rico
Drew, Cynthia	Seymour, Connecticut

Drucker, Douglas	Gillette, New Jersey
Drucker, Nancy	Glen Head, New York
Edwards, Stephen	Easton, Connecticut
Elder, Diana	Valencia, Pennsylvania
Elliott, Bruce	Sea Girt, New Jersey
Else, Nancy	Pittsburgh, Pennsylvania
Euwer, Diane	Detroit, Michigan
Eyman, Mary	Verona, Pennsylvania
Farr, Sara	Trenton, New Jersey
Filler, Darrell	Salem, Ohio
Fischer, Margaret	Washington, D. C.
Flowers, Richard	Erie, Pennsylvania
Fontany, Cynthia	Wellsburg, West Virginia
Frankel, David	North Babylon, New York
Fuller, Fred	Ridgewood, New Jersey
Garber, Robert	Mansfield, Ohio
George, Alan	Wadsworth, Ohio
Gerratana, Frank	Trumbull, Connecticut
Glauser, Margaret	Wheeling, West Virginia
Golden, Pamela	Wheeling, West Virginia
Gomez, Frank	Teaneck, New Jersey
Gordon, Jerome	Wycote, Pennsylvania
Goresch, Andrew	Weirton, West Virginia
Gori, James	Clairton, Pennsylvania
Green, J. Keith	Pittsburgh, Pennsylvania
Green, Neil	Swampscott, Massachusetts
Greenfield, John	Conneautville, Pennsylvania
Griffin, Betty June	Dravosburg, Pennsylvania
Griffith, Martha	Johnstown, Pennsylvania
Groff, Judith	Bellevue, Pennsylvania
Guappone, Michael	Poland, Ohio
Gwaley, Daniel	Aliquippa, Pennsylvania
Hackenburg, Patricia	Shaker Heights, Ohio
Hamm, Marie	Pittsburgh, Pennsylvania
Hanna, Beth	N. Scituate, Rhode Island
Hanna, Evelyn	Bridgeville, Pennsylvania
Hansen, Carol	Ridgewood, New Jersey
Hardy, E. Winfield	Brecksville, Ohio
Hartley, Thomas	Uniontown, Pennsylvania
Harvey, William	Bradford, Connecticut
Hassig, Logan	New Martinsville, West Virginia
Haury, Clarejean	South Wales, New York
Heeney, John	Newburgh, New York
Helsby, Paul	Latham, New York
Herbst, Lucy	Parsippany, New Jersey
Hibyan, Robert	Fairfield, Connecticut
Hill, Sally	Marion, Ohio
Hinds, Thomas	Bethel Park, Pennsylvania
Hoback, Lynn	Zanesville, Ohio
Hodgkins, Pamela	Demarest, New Jersey
Hough, David	Wexford, Pennsylvania
Houghton, William	Newtown, Connecticut
Houston, Gail	Westfield, New Jersey
Hudson, Robert	Pittsburgh, Pennsylvania
Hughes, Bruce	Rochester, New York
Hull, Richard J.	Akron, Ohio
Hults, Carole	Corapolis, Pennsylvania 15108
Hunter, Carol	Kalamazoo, Michigan
Inlow, Hartford	Rocky Mount, Missouri
Jacob, Sandra	Amityville, New York

Jacquín, Sandra	Watertown, Connecticut
Johnston, Virginia	Oakmont, Pennsylvania
Jolliff, Thomas	Wooster, Ohio
Jordan, John H.	Snyder, New York
Kalba, Joseph R.	Irvington, New Jersey
Katopes, Michael	Great Neck, New York
Kelly, Mary	Shaker Heights, Ohio
Kempf, Dale	Berkeley Heights, New Jersey
Kennedy, Marla	Plandome, New York
Ketcham, David	Summit, New Jersey
Kirk, Crystal	New Wilmington, Pennsylvania
Knapp, James	Indianapolis, Indiana
Knickman, Robert	Manhasset, New York
Kostur, Jack	Weirton, West Virginia
Krajsa, Joseph	Middletown, Pennsylvania
Kravchuk, Margaret	McMurray, Pennsylvania
Krouskop, Patricia	Pittsburgh, Pennsylvania
Krueger, David	Mt. Prospect, Illinois
LaBorde, Edward	DuBois, Pennsylvania
Lake, Dennis	Indianapolis, Indiana
Laughlin, Benton E.	Chicora, Pennsylvania
Lawler, David	Bridgeport, Connecticut
Leaf, Karen	Salem, Ohio
Lee, Richard	Weirton, West Virginia
Leichner, Larry	Columbus, Ohio
Leichter, Paul	Palisades Park, New Jersey
Leitinger, Alexander	Pittsburgh, Pennsylvania
Levine, Tamara	West New York, New Jersey
Liddle, James	Butler, Pennsylvania
Litman, David	Pittsburgh, Pennsylvania
Litman, Klover A.	Moundsville, West Virginia
Loucks, Pamela	Wellsville, New York
MacConnachie, Ellen	Westfield, New Jersey
MacDade, Christine	Phoenixville, Pennsylvania
MacNaughton, Esther	Chesterland, Ohio
Madson, Noxie	McLean, Virginia
Magurn, George	Danbury, Connecticut
Mahan, Norman	Bethany, West Virginia
Maloney, Richard	Erie, Pennsylvania
Manges, Eric	Rosemont, Pennsylvania
Maria, Joseph	Pelham, New York
Markos, Manuel	Short Creek, West Virginia
Marsden, Suzanne	Pittsburgh, Pennsylvania
Martelock, Linda	Springfield, Delaware Co., Pennsylvania
Martin, Esther	Orange, Connecticut
Marwine, Janet	Willow Grove, Pennsylvania
Maxfield, Donna	East Orange, New Jersey
McCarthy, F. Charles	Washington, Pennsylvania
McCauley, Cynthia	Erie, Pennsylvania
McClure, Marion E.	Pittsburgh, Pennsylvania
McCullough, Loretta	Drexel Hill, Pennsylvania
McDonald, Joseph	Washington, D. C.
McWilliams, Mark	Wheeling, West Virginia
Mentzer, Christine	Pittsburgh, Pennsylvania
Menzel, Lynn	Summit, New Jersey
Miller, Robert	Glassport, Pennsylvania
Monsour, Kathleen	Pittsburgh, Pennsylvania
Moore, Terry	Wheeling, West Virginia
Morrison, Nancy	Uniontown, Pennsylvania
Moulton, Scott	Framingham, Massachusetts

Moyer, Carol	Souderton, Pennsylvania
Mullins, Patricia	Alexandria, Virginia
Murray, John	Chappaqua, New York
Nelke, Roger	Massapequa, New York
Nelson, Stephen	Newark, Delaware
Norton, George	Jupiter, Florida
O'Connell, Steven	New York, New York
Orlandi, Norman	Smithton, Pennsylvania
Papish, Edward	West New York, New Jersey
Parker, Robert	Rye, New York
Pask, Robin	Ridgewood, New Jersey
Paulis, Juanita	Timonium, Maryland
Peggs, James	Wheeling, West Virginia
Perryman, Charles	Pittsburgh, Pennsylvania
Petrola, Renee	Oceanside, New York
Pitkin, Nancy	Wheeling, West Virginia
Pokorny, Richard	Springfield, Virginia
Pond, Janet	Fanwood, New Jersey
Porterfield, Susan	Charlestown, West Virginia
Price, James	Pittsburgh, Pennsylvania
Prince, Robert	Roslyn, New York
Purdy, Warren	East Aurora, New York
Putnam, JoAnn	Pittsburgh, Pennsylvania
Rackley, Richard	Washington, Pennsylvania
Randall, Elizabeth	St. Albans, West Virginia
Rector, JoAnn	Pittsburgh, Pennsylvania
Reese, Charles S., III	Niagara Falls, New York
Rich, Mary E.	Madison, New Jersey
Richards, Marilyn J.	Glenshaw, Pennsylvania
Richardson, Larry B.	Willoughby, Ohio
Richardson, Linda	Willoughby, Ohio
Riegel, Randy	Trenton, New Jersey
Roeper, Greg	Pittsburgh, Pennsylvania
Rooney, Kevin	Madison, New Jersey
Rosol, James	Summit, New Jersey
Royce, Judith	Ho Ho Kus, New Jersey
Ruben, Stephen	Pittsburgh, Pennsylvania
Rylands, Cheryl A.	Glenshaw, Pennsylvania
Sandler, David	Pittsburgh, Pennsylvania
Sanford, William	Camp Springs, Maryland
Sargis, John	Bristol, Connecticut
Savacool, Douglas	Fairfield, Connecticut
Schaffner, Todd	LaGrange, Illinois
Schayne, Elly D.	Brooklyn, New York
Schneider, Janet	Tarrytown, New York
Schueler, Stephen	W. Allenhurst, New Jersey
Schuster, Holger	Severna Park, Maryland
Sesto, Larry	Steubenville, Ohio
Shaffer, Robert	Wheeling, West Virginia
Shearer, Suzanne	Philippi, West Virginia
Shipley, Carl	Weirton, West Virginia
Short, Toni S.	Flora, Indiana
Shugerman, Earl, J.	Pittsburgh, Pennsylvania
Siegel, Howard	Brooklyn, New York
Silverthorn, Charles	Warren, Ohio
Simms, George	Strabane, Pennsylvania
Slezak, Michael	Severna Park, Maryland
Smirnoff, Margaret	White Plains, New York
Smith, Alan	Pittsburgh, Pennsylvania
Smith, J. Gregory	Rochester, New York

Snodgrass, Tim	Weirton, West Virginia
Sontag, Stephanie	Brooklyn, New York
Sosler, Bruce	Brooklyn, New York
Southmayd, John	Washington, D. C.
Spaulding, David L.	Steubenville, Ohio
Speece, Ann	E. Lake, Ohio
Spencer, Thomas	Wayne, Pennsylvania
Stanley, Mary Jo	Greensburg, Pennsylvania
Stauffer, Marcus	McKeesport, Pennsylvania
StClair, James	Plantation, Florida
Stoner, Thomas	Ridgewood, New Jersey
Stout, Charles	New Canaan, Connecticut
Street, John	Pittsburgh, Pennsylvania
Stricklin, Kelley	Triadelphia, West Virginia
Stuek, Jeffrey	Manchester, Connecticut
Stull, Robert	Cameron, West Virginia
Sturrett, Donna	Ashland, Ohio
Summers, Michael	Canonsburg, Pennsylvania
Tamburino, Dave	Clairton, Pennsylvania
Turner, Robert	St. Clairsville, Ohio
Urband, Joan	Montclair, New Jersey
Utter, Richard	Spencerport, New York
Valuska, Kenneth	Mingo Junction, Ohio
Vanarsdale, Juliana	Charleroi, Pennsylvania
Vandyke, Sandra	Bethel Park, Pennsylvania
Veres, James	Bronx, New York
Wade, Glen R.	Williamsport, Pennsylvania
Walden, Diane	Severna Park, Maryland
Wallace, Catherine	Steubenville, Ohio
Walters, Karen	Pittsburgh, Pennsylvania
Walters, Melanie	Bethany, West Virginia
Wanner, Jack	Carlisle, Pennsylvania
Ward, Brooke A.	Pittsburgh, Pennsylvania
Waugaman, Donald	Pittsburgh, Pennsylvania
Weidener, Richard	Berkeley Heights, New Jersey
Weishner, Anthony	Canonsburg, Pennsylvania
Weiss, Larry	Bronx, New York
Weiss, Marvin	Philadelphia, Pennsylvania
Whitted, Ernest	Pittsburgh, Pennsylvania
Widell, Nelson	Haddonfield, New Jersey
Wilkes, Barry	Brackenridge, Pennsylvania
Williams, David	Mendham, New Jersey
Williams, Lynda	Fanwood, New Jersey
Winchester, Gail	New Canaan, Connecticut
Winchester, John	New Canaan, Connecticut
Wineman, Melanie	Greensburg, Pennsylvania
Winkelvoss, James	Washington, Pennsylvania
Wolfhope, Norman	Irwin, Pennsylvania
Woodroe, Kathryn	Charleston, West Virginia
Wright, Yvonne	Awendau, South Carolina
Wroten, Jan	Salisbury, Maryland
Yearsley, Earle	Pittsburgh, Pennsylvania
Young, Catherine	Charleston, West Virginia
Zarnoch, David	Elm Grove, West Virginia
Zimcosky, James	Smock, Pennsylvania

SOPHOMORES

Acree, Amos	Jacksonville, Florida
Adams, Candace	Birmingham, Michigan
Allalemdjian, Veron	Manhasset, New York
Allen, Elma S.	Ellwood City, Pennsylvania
Allen, Stephen	Bethany, West Virginia
Allison, Jennifer	Newell, West Virginia
Amato, Jack	Wellsville, Ohio
Anderson, Wesley	Bethel Park, Pennsylvania
Antis, Marc	Pittsburgh, Pennsylvania
Arentzen, Peter	Ramsey, New Jersey
Aston, Darlene	McKees Rocks, Pennsylvania
Atwill, Frederick	Hamburg, New York
Austin, Theodore	Richmond, Virginia
Baldino, Robert T.	Long Branch, New Jersey
Ballentyne, John	Charleroi, Pennsylvania
Barr, L. Michael	Summit, New Jersey
Beach, Roger	Essex Fells, New Jersey
Bell, Howard	Washington, Pennsylvania
Benedetti, Jose	Panama City, R. P.
Berry, John	Washington, Pennsylvania
Bertolo, JoAnne	Hanover, New Jersey
Bohne, G. Jeffery	Berkeley Heights, New Jersey
Boich, Cynthia J.	Wheeling, West Virginia
Bolender, David	Uniontown, Pennsylvania
Born, Barbara	Ho Ho Kus, New Jersey
Bourcy, Michael	Rochester, New York
Bradley, Douglas	Bryn Mawr, Pennsylvania
Bradney, Michael	Valparaiso, Indiana
Brettell, Susan	Steubenville, Ohio
Brevak, Nancy	W. Homestead, Pennsylvania
Brown, Geraldine	Wellsburg, West Virginia
Buchanan, Marion	Newton Falls, Ohio
Buck, Winthrop	Hamburg, New York
Bunn, Steven	Akron, Ohio
Burmester, Dale	Orange, Connecticut
Burse, Jane	Ridgewood, New Jersey
Candela, Bernard	Bergenfield, New Jersey
Capasso, Mary	Teaneck, New Jersey
Caradine, Richard	Great Neck, New York
Ceperley, Martha	Charleston, West Virginia
Clapp, Andrea	Washington, Pennsylvania
Clark, Deborah	Springfield, Pennsylvania
Clarke, Gregory	Washington, Pennsylvania
Cline, Wayne	Wellsburg, West Virginia
Cohen, David E.	Springfield, New Jersey
Conner, Coleen	Lockport, New York
Copeland, Edward R.	Pittsburgh, Pennsylvania
Cornelius, Robert	Steubenville, Ohio
Corner, Howard	Bethel Park, Pennsylvania
Cost, John	Pittsburgh, Pennsylvania
Coughlin, Penni	Caldwell, New Jersey
Covert, Roger	Wheeling, West Virginia
Croston, Joseph	Wellsburg, West Virginia
Cunningham, Marsha	W. McKeesport, Pennsylvania
Darling, Judy	McKeesport, Pennsylvania
Davidson, Paul	Forest Hills, New York
Davis, Phillip	McKees Rocks, Pennsylvania
Davis, Virginia	Pine Beach, New Jersey
Dean, Cheryl A.	Columbus, Ohio

Deemer, Karen	Pittsburgh, Pennsylvania
DeVoe, Kathleen	Kendallville, Indiana
Devonshire, Roger	Bilbao, Spain
DeYoung, Pamela	Ridgewood, New Jersey
Diaz, Barry	Douglaston, New York
Dietz, Paul	York, Pennsylvania
Dignan, Peter	Carnegie, Pennsylvania
Dobbins, Conner	Elm Grove, West Virginia
Doepken, Thomas	Wheeling, West Virginia
Dolch, Norman	Warrensville Heights, Ohio
Donaldson, David	Pittsburgh, Pennsylvania
Donaldson, Dennis	Hobart, Indiana
Downs, Sally	Moundsville, West Virginia
Dulany, Frances	Chatham, New Jersey
Eger, Jeffrey	Aliquippa, Pennsylvania
Faux, Daniel	Bo Sierra Leone, West Africa
Ferguson, Clinton	Pittsburgh, Pennsylvania
Ferkol, David	Wheeling, West Virginia
Feyche, Paula	Cannonsburg, Pennsylvania
Fiaklowski, Robert	Bellaire, Ohio
Filbert, Bryson	New Canaan, Connecticut
Findling, Harry	Pittsburgh, Pennsylvania
Fischman, Eric	West Hempstead, New York
Fitzgerald, William	S. Norwalk, Connecticut
Fleming, Marcia	Lewistown, Pennsylvania
Fleming, Mary	Lewistown, Pennsylvania
Flick, Paulette	Parma, Ohio
Flower, Paula	White Plains, New York
Frankenberg, Martha	Baldwin, New York
Freeland, Marie	Glen Rock, New Jersey
Fuchs, Dennis	Hempstead, New York
Galvin, Margaret	Willingboro, New Jersey
Gilbert, Cheryl	Morris Plains, New Jersey
Glaser, Terence	West New York, New Jersey
Grable, Darrell	Washington, Pennsylvania
Greve, Gretchen	Novelty, Ohio
Griffiths, Clairann	Geneva, Ohio
Grishkat, Paul	Pittsburgh, Pennsylvania
Gunther, Susan	Garrison, New York
Gutmann, Ronald	Forest Hills, New York
Hall, Carol	Marion, Indiana
Halstead, Susan	Zionsville, Indiana
Hancock, Thomas	Pittsburgh, Pennsylvania
Hanson, Kenneth	Bethesda, Maryland
Hanson, Thomas	Green Village, New Jersey
Hartman, Robert	Elmhurst, Illinois
Hastings, Wayne	Prospect, Ohio
Hawkins, Debora	Westfield, New Jersey
Haynes, Peggy	New Castle, Delaware
Hefelfinger, Frances	Carlisle, Pennsylvania
Hicks, Jeffrey	Birmingham, Michigan
Hillwig, Jack	McKeesport, Pennsylvania
Hoag, Harold	Tenafly, New Jersey
Hodil, Charles	Pittsburgh, Pennsylvania
Hodkinson, Geoffrey	Westport, Connecticut
Hoffman, John	Natrona Heights, Pennsylvania
Hoffrichter, Eric	East Liverpool, Ohio
Hoge, Roger W.	Clairton, Pennsylvania
Hollandsworth, Anna	Beckley, West Virginia
Hostetter, Lila	East Palestine, Ohio

Hubbell, Marlene	Bethany, West Virginia
Hughey, James	McDonald, Pennsylvania
Humphrey, Robert	Pine Brook, New Jersey
Hunt, Jeffrey L.	Stratford, Connecticut
Hurley, Alan	Rahway, New Jersey
Jarden, John	Wyncote, Pennsylvania
Jarman, William	New York, New York
Jensen, Cornelia	Springfield, Virginia
Johnson, Carol	Syosset, New York
Johnson, Ralph	Bridgeville, Pennsylvania
Jones, Barbara	Pittsburgh, Pennsylvania
Jones, Marvin	Tiltonsville, Ohio
Jones, Pepper P.	Sherman, Connecticut
Kaplan, David	Suffern, New York
Keeney, Mary	S. Charleston, West Virginia
Kelly, Glenn	Ho Ho Kus, New Jersey
Kelly, Thomas	Donora, Pennsylvania
Kennedy, Douglas	Ridgewood, New Jersey
Keppler, Bruce	Rochester, New York
Kerrish, Andrew	Pittsburgh, Pennsylvania
Ketterer, Mary	Pittsburgh, Pennsylvania
Kilvert, Anne	Providence, Rhode Island
King, Thomas	Sharon, Pennsylvania
Kinsey, Jeannie	Pompton Lakes, New Jersey
Kitko, Robert	Rahway, New Jersey
Kohler, Cheryl	Albany, New York
Kramer, Judith	Bridgeville, Pennsylvania
Kuszaj, Thomas	Braddock, Pennsylvania
Landy, Robert	Pittsburgh, Pennsylvania
Lang, Harry	Irwin, Pennsylvania
Larkin, Jeffrey	Branford, Connecticut
LaRusso, Genevieve	Livingston, New Jersey
Lee, Pak Kai Jane	Kowloon, Hong Kong
Henhart, Charles	Spencerport, New York
Lightholder, Nils	Hanover, New Jersey
Lightholder, Pamela	Washington, Pennsylvania
Lindell, Dawn	Westwood, New Jersey
Linsley, Patricia	Uniontown, Pennsylvania
Lippincott, Jill	Glen Rock, New Jersey
Lloyd, Stephanie	Montclair, New Jersey
Lontz, Leanore	Burlington, New Jersey
Lowder, Carol	Silver Spring, Maryland
MacCarone, Samuel	McKees Rocks, Pennsylvania
MacDonald, James	West Hartford, Connecticut
MacLean, Jacquelyn	Pittsburgh, Pennsylvania
MacKorell, J. Stephen	Charleston, West Virginia
Main, Larry	Bethany, West Virginia
Major, Martin	Beaver, Pennsylvania
Malkin, Pamela	Bellaire, Ohio
Mantia, August	Pittsburgh, Pennsylvania
Marciniak, Donna	S. Plainfield, New Jersey
Marshall, Senseney	Marshall, Virginia
Martinson, Terry	Brooklyn, New York
Masquelier, John	Mansfield, Ohio
Massol, Linda	Pittsburgh, Pennsylvania
Mayer, Mardianne	Glenshaw, Pennsylvania
Mazie, Armand	Long Branch, New Jersey
McCarrell, Elizabeth	Washington, Pennsylvania
McCommon, Carolyn S.	Lancaster, Texas
McVay, J. Kenneth	Wheeling, West Virginia

Megerle, Donald	Rochester, New York
Mellott, Noal, Jr.	St. Thomas, Pennsylvania
Melrose, Douglas	Bethel Park, Pennsylvania
Merrigan, Donald K.	Schaghticoke, New York
Mielke, Wayne	Fanwood, New Jersey
Miles, Kenneth	Wheeling, West Virginia
Miller, F. Phillip	Westfield, New Jersey
Miller, Martha	Ambler, Pennsylvania
Mintz, Richard	E. Rockaway, New York
Misko, Edwin	Clairton, Pennsylvania
Mitzen, Vincent	Bound Brook, New Jersey
Modica, Charles	Brightwaters, L. I., N. Y.
Molden, J. Douglas	W. Farmington, Ohio
Morgan, Emily	Chagrin Falls, Ohio
Morris, John Calvin	Weirton, West Virginia
Mowl, Harold M., Jr.	Pittsburgh, Pennsylvania
Mullen, John	Greensburg, Pennsylvania
Mulligan, Douglas	Malverne, New York
Murray, Thomas	Wheeling, West Virginia
Nevitt, Michael	Akron, Ohio
Newcomer, R. Thomas	Natrona Heights, Pennsylvania
Newell, Donald	Oak Hill, West Virginia
Nickel, Sara	Haworth, New Jersey
Norman, Louis J.	Wheeling, West Virginia
Novak, Louis	Charleroi, Pennsylvania
Nusbaum, Constance	Lima, Ohio
O'Chalek, Eugene	Albion, Pennsylvania
Olsen, Robert	Cedar Grove, New Jersey
O'Shinsky, Evelyn	Cannonsburg, Pennsylvania
Palmer, Joseph	Wheeling, West Virginia
Pennington, John	Lakewood, Ohio
Perelman, George	Wheeling, West Virginia
Pittman, Gary	Independence, Pennsylvania
Porterfield, Jeff	St. Clairsville, Ohio
Porteus, Christopher	Cheshire, Connecticut
Potter, Lynda	Toms River, New Jersey
Provance, Franklin	Claysville, Pennsylvania
Raimondo, Carolyn	Elmont, New York
Raub, Daniel	Greenville, Pennsylvania
Reed, Richard T.	Benwood, West Virginia
Remington, Mary	Pittsburgh, Pennsylvania
Reynolds, Marybeth	E. Orange, New Jersey
Richards, Linda	Boonton, New Jersey
Richards, Lynn	Boonton, New Jersey
Rinfret, Robert	Yonkers, New York
Rodefer, Diane	Cuyahoga Falls, Ohio
Rodgers, Bruce	Linesville, Pennsylvania
Rodriguez, Idalia	Santurce, Puerto Rico
Roffer, Barry J.	Yonkers, New York
Rogers, Jeannie	Pittsburgh, Pennsylvania
Rogers, Richard	Morgantown, West Virginia
Rorabaugh, Frederick	Erie, Pennsylvania
Roschen, Herman	Vineland, New Jersey
Rosenberry, Jack	St. Clairsville, Ohio
Ross, David	Avella, Pennsylvania
Rowe, Regina	Washington, D. C.
Rubin, Jane	White Plains, New York
Rubin, Jeffrey H.	Brooklyn, New York
Sacco, Gary	Wheeling, West Virginia
Sanders, Jonathan	Clifton, New Jersey

Scalzi, Leonard	Trumbull, Connecticut
Schaaf, Warren	Westwood, New Jersey
Schadek, Gail	Mansfield, Ohio
Scherzer, Raymond	Lincoln Park, New Jersey
Schiele, Lynne	Steubenville, Ohio
Schmidt, Ruth	Marion, Ohio
Schnorrenberg, Donna	Salem, Ohio
Schwefel, Mitchell	Flushing, New York
Scott, Karen J.	Bethel Park, Pennsylvania
Scroggins, Thurman	Wellsburg, West Virginia
Scudder, Laurence	Riverhead, New York
Shackelford, Susan	Indianapolis, Indiana
Shader, Alice	McMurray, Pennsylvania
Shutter, Samuel	Ligonier, Pennsylvania
Sigler, Dennis Wayne	Charleroi, Pennsylvania
Smith, James	Pittsburgh, Pennsylvania
Smith, Ruth A.	Pittsburgh, Pennsylvania
Smyers, Penelope	Sykesville, Pennsylvania
Solomon, Barbara	New Kensington, Pennsylvania
Soth, Carol	Erie, Pennsylvania
Spanogians, Pamela	Burgettstown, Pennsylvania
Sprout, Jay	Canton, Ohio
Stacey, Sarah	Windsor, Vermont
Steber, George	Columbus, Ohio
Stephens, Linda	Silver Creek, New York
Stevenson, Andrew	Washington, Pennsylvania
Stickle, Deborah	St. Albans, West Virginia
Straw, Robert	Pittsburgh, Pennsylvania
Stroud, John	Steubenville, Ohio
Sweeney, Marsha	Butler, Pennsylvania
Swett, Dianne	Scotch Plains, New Jersey
Swick, Jesse	Beaver Falls, Pennsylvania
Swift, Kathleen	Pittsburgh, Pennsylvania
Talbott, John	Hundred, West Virginia
Tennant, Ross	Wellsburg, West Virginia
Thompson, Ellen	McKeesport, Pennsylvania
Thurston, Ruth	Bethany, West Virginia
Torkelson, Carol	Summit, New Jersey
Truglia, David	Long Branch, New Jersey
Tye, Jay	Bethany, West Virginia
Uhl, Robert	Gibsonia, Pennsylvania
Urbanic, Robert	Bridgeville, Pennsylvania
Veselica, Gary	Weirton, West Virginia
Vettel, Andrew	West Mifflin, Pennsylvania
Vincent, Richard	Valley Stream, New York
Vincent, Samuel	Cannonsburg, Pennsylvania
Vitte, Richard	Pittsburgh, Pennsylvania
Wagner, Walter	Valley Stream, New York
Waite, Richard	Springfield, Massachusetts
Walker, David	Wellsburg, West Virginia
Weir, William	McDonald, Pennsylvania
Weisband, Howard	New Kensington, Pennsylvania
Wells, Jean H.	Newell, West Virginia
Wenzel, Glenn	Cranford, New Jersey
Werblin, Hubbard	New York, New York
Werner, Donald	Yonkers, New York
Werthwein, Gail	Garwood, New Jersey
West, Larry	Columbus, Ohio
Wiehn, John	Pittsburgh, Pennsylvania
Wilkins, Dawn	W. Rochester, New York

Wilson, Ronald	Livingston, New Jersey
Wojick, Thomas	Willimantic, Connecticut
Wolk, Allen L.	New Kensington, Pennsylvania
Woodhouse, Martin	Franklin Sq., New York
Woodward, Richard	Massapequa, New York
Wright, Alfred, III	Uniontown, Pennsylvania
Wright, Janice	W. Orange, New Jersey
Young, Bonnie	Pittsburgh, Pennsylvania
Zamorski, Ronald	Clark, New Jersey

JUNIORS

Abraham, Thomas	Wheeling, West Virginia
Adams, Thomas	St. Albans, West Virginia
Adams, Thomas G.	East McKeesport, Pennsylvania
Adelhelm, William	Wynnewood, Pennsylvania
Akins, Thomas	Pittsburgh, Pennsylvania
Albertson, Nancy	Tyron, North Carolina
Alderman, Sarah	New Canaan, Connecticut
Alfieri, Frank	Syosset, New York
Allen, Arnel	Pittsburgh, Pennsylvania
Allen, Janice	Alexandria, Virginia
Anderson, Susan	Summit, New Jersey
Antioch, Richard	Wheeling, West Virginia
Ashbaugh, Craig	Pittsburgh, Pennsylvania
Baer, Susan	Columbus, Georgia
Ballouz, John	Atlantic Highlands, New Jersey
Barnes, Sharon	Montclair, New Jersey
Barnum, Wilton	Clinton, Tennessee
Barrett, James	Paoli, Pennsylvania
Bassett, Louise	Export, Pennsylvania
Beck, Jonathan	Merion Station, Pennsylvania
Belfour, Joan	Pittsburgh, Pennsylvania
Birkins, Richard	Wyckoff, New Jersey
Bobrowski, Ronald	Irvington, New Jersey
Boggs, Marilu	Wilmington, Delaware
Bonchosky, Liesel	Uniontown, Pennsylvania
Brewer, David	Pittsburgh, Pennsylvania
Briggs, Richard	Nutley, New Jersey
Broberg, Albert	Venetia, Pennsylvania
Brouse, Edward	Eggertsville, New York
Brucker, Janice	Summit, New Jersey
Burke, Francis	Rutherford, New Jersey
Buzzard, Madelyn	Red Bank, New Jersey
Calabrese, Frank	Hoboken, New Jersey
Canning, Patte	Burgettstown, Pennsylvania
Caputo, Ami	McKees Rocks, Pennsylvania
Christensen, Jon	Erie, Pennsylvania
Clark, Dudley	Essex, Connecticut
Cohn, Steven	Rego Park, New York
Copenhaver, William	Winchester, Virginia
Costa, John	New Kensington, Pennsylvania
Cunningham, Merleen	Wayne, Pennsylvania
Curran, Dean	N. Merrick, New York
Damian, Michele	W. Mifflin, Pennsylvania
Deer, Robert	Elizabeth, Pennsylvania
Dennison, Susan	Pittsburgh, Pennsylvania
Deulley, Richard	Middlebourne, West Virginia
DeVoe, Phillip	Kendallville, Indiana

Dodsworth, Renee	Wellsburg, West Virginia
DuPont, William	Johnstown, Pennsylvania
Durdan, Donald	McKees Rock, Pennsylvania
Dyson, David	Pittsburgh, Pennsylvania
Ely, Theodore	Erie, Pennsylvania
Erisman, Linda	Cleveland, Ohio
Evans, Glenn	Riverhead, New York
Evans, Sarah	Follansbee, West Virginia
Evans, William	Warren, Ohio
Ewing, Michael	Lutherville, Maryland
Falk, Julia	Bellevue, Pennsylvania
Falconer, Sandra	Springfield, Pennsylvania
Farral, Sherry	Paoli, Pennsylvania
Fenwick, Mark	McDonald, Pennsylvania
Fetters, Raymond	Fairlawn, New Jersey
Fidago, Sandra	Pittsburgh, Pennsylvania
Fisher, Mary	Chelmsford, Massachusetts
Folprecht, Theodore	E. Northport, New York
Frohring, Constance	Novelty, Ohio
Funka, Thomas	Washington, Pennsylvania
Furniss, David	Bristol, Connecticut
Gabell, Charles	Pittsburgh, Pennsylvania
Gee, Richard	Wyckoff, New Jersey
Geer, J. Ellen	Falls Church, Virginia
Gendell, Howard	Flushing, New York
Giacco, Lewis	Verona, Pennsylvania
Giles, Kathleen	Albany, New York
Goodnight, Jenny	Indianapolis, Indiana
Gratz, Harvey	Bellaire, Ohio
Gwynn, Vicki	Pittsburgh, Pennsylvania
Haddad, Kate	Williamsville, New York
Haehl, John	Shelbyville, Indiana
Hails, Janet	Pittsburgh, Pennsylvania
Hall, Joan	North Haven, Connecticut
Hann, Pamela	Novelty, Ohio
Hanna, Marsha	Solon, Ohio
Harris, Larry	Clinton, Maryland
Highers, Edward	Cazenovia, New York
Hiscox, Donald	Lisbon, Ohio
Holler, Daryl	Charleroi, Pennsylvania
Hoop, William	Pittsburgh, Pennsylvania
Hornack, Michael	Charleroi, Pennsylvania
Hugley, Patricia	Dallas, Texas
Hunter, Kirk	Kalamazoo, Michigan
Hustead, Jay	Uniontown, Pennsylvania
Irwin, Robert	Steubenville, Ohio
Jacoby, Leslie	New York, New York
Janis, Gordon	Brooklyn, New York
Jay, Richard	Flushing, New York
Jenne, Karen	Germantown, Maryland
Johnson, Albert	Venetia, Pennsylvania
Jolley, Carolyn	Golf, Illinois
Jones, J. Cynthia	Youngstown, Ohio
Kaiser, Deborah	Pittsburgh, Pennsylvania
Kalcevic, Terrence	Clairton, Pennsylvania
Kaniecki, Stanley	Wheeling, West Virginia
Karl, Donald	Summit, New Jersey
Keil, Donald	Washington, D. C.
Kelly Bruce	Madison, New Jersey
Kelly, Howard	Tridelfhia, West Virginia

Kenah, Stanley	Bethel Park, Pennsylvania
Kerner, Emily	Kensington, Maryland
Kinney, William L.	West Alexander, Pa.
Kirkwood, Randy	DuBois, Pennsylvania
Koch, Judith	Grand Blanc, Michigan
Kupelain, Theodore	Chevy Chase, Maryland
LaBrie, Henry	Cresskill, New Jersey
Laeng, John	Pittsburgh, Pennsylvania
Landrum, John W.	Burlington, North Carolina
Leggett, Virginia	Pittsburgh, Pennsylvania
Lewinger, John	Freehold, New Jersey
Lively, William	Charleston, West Virginia
Livingstone, Thomas	Westlake, Ohio
Lowe, William	Wheeling, West Virginia
MacKay, Constance	Pittsburgh, Pennsylvania
MacMillan, Alison	N. Tonawanda, New York
Mansfield, Richard D.	Marietta, Ohio
Marino, Angelo	Paterson, New Jersey
Marion, Margaret	Paterson, New Jersey
Marranca, Salvatore	Buffalo, New York
Masciola, Douglas	McKees Rocks, Pennsylvania
Mastorakis, Basilios	Athens, Greece
Mauro, Brian	Garfield Heights, Ohio
Maxfield, Mary	E. Orange, New Jersey
McCormick, Carol	Kent, Ohio
McCoy, Nancy	East Palestine, Ohio
McKinley, Martha	Pittsburgh, Pennsylvania
McMurrer, Edward	Ridgewood, New Jersey
Meilton, Andrew	Beaver, Pennsylvania
Merrill, Sharon	Wickliffe, Ohio
Miller, Dale	Clairton, Pennsylvania
Miller, Kay	Marietta, Ohio
Miller, Ronald	Danbury, Connecticut
Miller, Vicki Jo	Bellaire, Ohio
Milligan, Kenyon	Weirton, West Virginia
Morgan, Joseph	Rocky River, Ohio
Nawabi, Ardavan	Teheran, Iran
Nedley, Judith	N. Charleroi, Pennsylvania
Nelson, Ruth	Narberth, Pennsylvania
Neubauer, Margo	Berkeley Heights, New Jersey
Nicholson, Robert	Pittsburgh, Pennsylvania
Nolan, Thomas	Port Jervis, New York
Nonemaker, Karl	Glenn Ridge, New Jersey
Oakes, Robert	Mansfield, Ohio
O'Brien, Jacqueline	Steubenville, Ohio
Omasta, Thomas	West Mifflin, Pennsylvania
Patterson, Robert	Pittsburgh, Pennsylvania
Petrencs, John	Pittsburgh, Pennsylvania
Phillips, David	Upper Montclair, New Jersey
Phillips, John	Pittsburgh, Pennsylvania
Ply, Richard	Boonton, New Jersey
Pollack, Jeffrey	Lawrence, New York
Ponicall, F. Michael	Pittsburgh, Pennsylvania
Ponton, Robert	Washington, Pennsylvania
Price, Patricia	Salem, Ohio
Pugh, David T.	St. Clairsville, Ohio
Rantucci, Tecla	Buffalo, New York
Read, Arthur	Cranston, Rhode Island
Reardon, Patrick	Pittsburgh, Pennsylvania
Reed, Beth	Trenton, New Jersey

Reed, Donald	Tiffin, Ohio
Renfer, Michael	Wescosville, Pennsylvania
Reitz, Rodney	Naugatuck, Connecticut
Reynolds, Gary	Kokomo, Indiana
Reynolds, Jenepher	Pittsburgh, Pennsylvania
Riggs, Jennifer	Winamac, Indiana
Rinfret, Alan	Yonkers, New York
Roberts, Ronald	Medfield, Massachusetts
Rogers, Charles	Danbury, Connecticut
Rogers, Joyce	Wellsville, New York
Ross, Jules	Pittsburgh, Pennsylvania
Rowe, Alvord	Akron, Ohio
Ruckel, Robert	Glenshaw, Pennsylvania
Runk, James	Harrisburg, Pennsylvania
Russell, Glenn	Rehoboth Beach, Delaware
Schindler, Alan	Pittsburgh, Pennsylvania
Schmolze, Glenn	Glen Rock, New Jersey
Schreck, JoAnne	Wyomissing, Pennsylvania
Schultz, Gordon	Pittsburgh, Pennsylvania
Seeley, Bruce	Cheshire, Connecticut
Selestay, Joyce	Weirton, West Virginia
Selser, Valerie	Elkins Park, Pennsylvania
Shapira, Eric	Sherman Oaks, California
Sherman, Harvey L.	Carnegie, Pennsylvania
Shoup, Pamela J.	Bethany, West Virginia
Sirney, Cynthia	Shalimar, Florida
Slater, Robert	Orange, Connecticut
Smith, Robert	Wellsville, New York
Smith, Roger	Pittsburgh, Pennsylvania
Smock, Thomas	Wellsville, New York
Smyth, Paul	New Milford, New Jersey
Staeger, Arthea	Mountain Side, New Jersey
Stephens, Daniel	Dillonvale, Ohio
Stephenson, Lucinda	Natrona Heights, Pennsylvania
Stevenson, Arthur	Bristol, Connecticut
Strauss, Carter	Wheeling, West Virginia
Streb, Kathleen	Rochester, New York
Swager, Ronald	Westwood, New Jersey
Tyler, Jo	Bedford Hills, New York
Van Saun, Robert	Teaneck, New Jersey
Wagner, Jeffrey	Pittsburgh, Pennsylvania
Wall, Barbara	Philadelphia, Pennsylvania
Wallace, Laurie	Minneola, New York
Walters, Myron	Bethany, West Virginia
Ward, Richard	Ligonier, Pennsylvania
Warrick, George	Washington, Pennsylvania
Watkins, William	California, Pennsylvania
Webb, Ian	Toronto, Ontario, Canada
Webb, Peter	Woodcliff Lake, New Jersey
Wiegand, Roy	Pittsburgh, Pennsylvania
Wiggins, Marion	Camphill, Pennsylvania
Wilson, John	Clinton, Pennsylvania
Wilson, Linda	McKeesport, Pennsylvania
Witthuhn, Norman	Wheeling, West Virginia
Wolcott, Daniel	New Castle, Delaware
Wood, Deborah	Wheeling, West Virginia
Wynne, Elizabeth	Towson, Maryland
Yanssens, Sandra	St. Clairsville, Ohio
Yetter, James	Claymont, Delaware

SENIORS

Abrams, Charles	Pittsburgh, Pennsylvania
Albert, Charles	Shrewsbury, New Jersey
Alexas, Freda	Washington, Pennsylvania
Allison, Jerry	Union City, Pennsylvania
Arbaugh, Bruce	Bridgeport, Ohio
Ashcraft, Linda	Toronto, Ohio
Bassett, Lane K.	Export, Pennsylvania
Bastian, Cathryn	McMurray, Pennsylvania
Beachley, Virginia	Hagerstown, Maryland
Bender, Ronald	Weirton, West Virginia
Bertram, John	Wellsburg, West Virginia
Bolinger, Herman	Taylorstown, Pennsylvania
Bortz, Walter	Greensburg, Pennsylvania
Bradley, Robert L.	Huntington, West Virginia
Brand, Jane	Pittsburgh, Pennsylvania
Brink, Barrett	Grosse Pointe Farms, Mich.
Brown, Geoffrey	Fair Lawn, New Jersey
Brown, Marilyn	McKeesport, Pennsylvania
Burrall, Charles	Philadelphia, Pennsylvania
Bute, Wayne	St. Clairsville, Ohio
Capstaff, James	New York, New York
Case, Neil	Riverdale, New Jersey
Clayman, Michael	Washington, D. C.
Clayton, Stephen	Philadelphia, Pennsylvania
Coffield, Susan	New Martinsville, West Virginia
Cooper, Richard	Rockville, Maryland
Coulter, James	Vienna, Virginia
Coundjeris, Arthur	Beechhurst, New York
Coundjeris, Barbara	Beechhurst, New York
Cox, Mary	Bethany, West Virginia
Crooks, Ronald	Munster, Indiana
Culbert, Sue	McKeesport, Pennsylvania
Cullinane, James	Linden, New Jersey
Davis, James	Wheeling, West Virginia
Davis, Roy	Winter Park, Florida
DeCanio, Rudy	DeMarest, New Jersey
Decker, Barbara	Westwood, New Jersey
Deitch, Larry	Salem, Ohio
DePrince, Charles	Cherry Hill, New Jersey
Deutsch, Diane	Ridgewood, New Jersey
Douglas, Jeffrey	Brooklyn, New York
Dunham, Deloris	Bethany, West Virginia
Eckert, Robert	Kinderhook, New York
Edele, Carol	Ridgewood, New Jersey
Ejzak, Paul	Pittsburgh, Pennsylvania
Elston, Jill	Niagara Falls, New York
Embick, Greg	Paoli, Pennsylvania
Erskine, John	Pittsburgh, Pennsylvania
Fairbrother, Charles	Stonington, Connecticut
Farah, Kenneth	Englewood, New Jersey
Farkas, Sol	Valley Stream, New York
Farnsworth, Ann	Pittsburgh, Pennsylvania
Farrell, James	Wheeling, West Virginia
Fidali, Kenneth	Livingston, New Jersey
Fields, Gary	Wellsburg, West Virginia
Filler, Leonard	Salem, Ohio
Fleming, Patricia	Pleasantville, Pennsylvania
Forbes, James	Madison, New Jersey
Fowler, Sandra	Bethany, West Virginia

Friebertshauser, Jan	Wheeling, West Virginia
Frohring, Wayne	Newbury, Ohio
Fulmer, Dianne	West Mifflin, Pennsylvania
Gardini, Fred	Bridgeport, Ohio
Gardner, Barry	Brilliant, Ohio
Gast, Marilyn	Wheeling, West Virginia
Geisel, Viola	Brooklyn, New York
German, Gail	Westfield, New Jersey
Goldstein, Robert	Beverly Hills, California
Grafman, Leslie	New York, New York
Guder, Lowman	Brownsville, Pennsylvania
Guisler, Thomas	Huntington, Pennsylvania
Hall, Darwin	Washington, D. C.
Harris, Fred	Warren, Ohio
Hartman, Howard	Elmhurst, Illinois
Hatefi, Abdullah	Teheran, Iran
Hauptfuehrer, Kurt	Bethany, West Virginia
Herbert, Victor	Western Springs, Illinois
Hirsch, Bennett	Belle Harbor, New York
Hoffman, Howard	Pittsburgh, Pennsylvania
Hopper, Thomas	Enterprise, Alabama
Hottell, Robert	Steubenville, Ohio
Hubbell, James	Aberdeen, Maryland
Hughes, Marilyn	Finleyville, Pennsylvania
Hunt, Walter	Linwood, New Jersey
Ickes, Barbara	Canton, Ohio
James, Evan	Poland, Ohio
Johnston, Pamela	Pittsburgh, Pennsylvania
Jolley, Edwin	St. Clairsville, Ohio
Jones, Patricia	Bethany, West Virginia
Kennen, Carol	Wheeling, West Virginia
Keys, Arthur	Lower Burrell, Pennsylvania
Kobylaka, David	Lake Hiawatha, New Jersey
Koch, Charles	Flint, Michigan
Koch, Robert	Pittsburgh, Pennsylvania
Krayer, Wilma	Summit, New Jersey
Lambert, David	McKeesport, Pennsylvania
Landolt, Denise	Zurich, Switzerland
Lang, Mary	Toronto, Ohio
Lasker, Susan	Hewlett, Long Island, New York
Leixner, Charles	Kenmore, New York
Lewis, Kathleen	Pittsburgh, Pennsylvania
Lindell, Barbara	Westwood, New Jersey
Lindsay, Betsy	Mansfield, Ohio
Lindsay, Douglas	McMurray, Pennsylvania
Locke, JoAnne	Bridgeport, Connecticut
Lovette, Virginia	Ocean City, New Jersey
Lusk, Ben	Clairton, Pennsylvania
MacKenzie, Roderick	Wynnewood, Pennsylvania
Mallalieu, Frank	Scotch Plains, New Jersey
Markovich, Edward	Bethany, West Virginia
Marsh, Judith	Summit, New Jersey
McCandless, James	Pittsburgh, Pennsylvania
McGrath, Charles	Lincoln Park, New Jersey
Melott, Adrian L.	Moundsville, West Virginia
Michele, Mary	Montclair, New Jersey
Miller, Frank	Steubenville, Ohio
Miller, Kenneth	Pittsburgh, Pennsylvania
Moran, Jack	Pittsburgh, Pennsylvania
Nern, Douglas	Wheeling, West Virginia

Newcomer, Richard	Ridley Park, Pennsylvania
Nonemaker, Richard	Glen Ridge, New Jersey
Ogden, Daniel	Chagrin Falls, Ohio
Oguss, David	Far Rockaway, New York
Olson, Margaret	Fair Lawn, New Jersey
Osborne, Ronaleen	Long Bottom, Ohio
Ott, James	Rocky River, Ohio
Owen, Mark	Wellsburg, West Virginia
Patterson, Vance	Grove City, Pennsylvania
Perlberg, Joan	New Canaan, Connecticut
Peterson, John	Upper Montclair, New Jersey
Pierce, Wayne	Pittsburgh, Pennsylvania
Poggi, Robert	Tenafly, New Jersey
Polack, Edward	Wheeling, West Virginia
Pritchard, Diane	Glenshaw, Pennsylvania
Rabinowitz, Neil	Brooklyn, New York
Rackley, Frank	Washington, Pennsylvania
Rahmlow, Richard	Westwood, New Jersey
Ramming, Jo Anne	Bethany, West Virginia
Rawson, Thomas	Stratford, Connecticut
Reed, William	Baldwin, New York
Rehm, Randolph	Little Ferry, New Jersey
Riley, Robert	Munhall, Pennsylvania
Rodnok, Susan	Oakmont, Pennsylvania
Rose, Russell	Springfield, New Jersey
Rosensteele, Donna	Grand Island, New York
Samuels, Arnold	Pittsburgh, Pennsylvania
Scangarello, Mary	Pittsburgh, Pennsylvania
Scangarello, Peter	Fairfield, New Jersey
Schnell, James	Farmingham, Massachusetts
Schreiber, George	Pittsburgh, Pennsylvania
Setzer, Marilyn	Westfield, New Jersey
Shiffman, David	West New York, New Jersey
Simms, John	Finleyville, Pennsylvania
Smallwood, Arthur	Amityville, New York
Smith, Carolyn	Chatham, New Jersey
Smith, Timothy	Snyder, New York
Smith, Wilson	Statford, Connecticut
Sniffin, Paul	Oakland, New Jersey
Soly, Sieglinde	Bethany, West Virginia
Sprinkle, Joseph	Pittsburgh, Pennsylvania
Spurgeon, Barbara	Uniontown, Pennsylvania
Staples, Linda L.	Baltimore, Maryland
Stefanac, Thomas	Pittsburgh, Pennsylvania
Steinford, Marion	N. Plainfield, New Jersey
Stevenson, Edward	Claysville, Pennsylvania
Stein, Leon	Pittsburgh, Pennsylvania
Swindler, Billie Sue	Warren, Ohio
Thomas, Wendy	Pittsburgh, Pennsylvania
Tischler, Irwin	Teaneck, New Jersey
Titzel, Gary	Greenville, Pennsylvania
Tye, Jean	Bethany, West Virginia
Ueland, Stephen	New Hyde Park, New York
Uhrig, James	Irwin, Pennsylvania
Valan, John	Wheeling, West Virginia
Vlahakis, Valerie	Staten Island, New York
Wattel, William	Forest Hills, New York
Watts, Rebecca	Marblehead, Massachusetts
Weiss, Patricia Muller	Long Island, New York
Welton, Philip	Pittsburgh, Pennsylvania

Whitaker, Mary	Weirton, West Virginia
White, Robert	McMurry, Pennsylvania
Wicks, Victor	Ingomar, Pennsylvania
Wilson, Marilyn	Painesville, Ohio
Wollison, Herbert	Youngstown, Ohio
Woodruff, Mary	Charleston, West Virginia
Yoder, Susan	Fridens, Pennsylvania
Young, Sandra	Milford, Connecticut

UNCLASSIFIED

Buffington, Virginia	Wheeling, West Virginia
Corwin, Chester	Hickory, Pennsylvania
Craft, Terry	Bethany, West Virginia
Davis, Susan	Bethany, West Virginia
Dowden, Virginia	Bethany, West Virginia
Draper, Barbara	Bethany, West Virginia
Jones, Edward	Bethany, West Virginia
Kowalo, Andrea	Wellsburg, West Virginia
Lester, Ann	Bethany, West Virginia
Lewis, Thomas	Pittsburgh, Pennsylvania
McAlexander, Mrs. F.	Bethany, West Virginia
Paal, Gabriel	Bellaire, Ohio
Queen, Lynn	Wellsburg, West Virginia
Ranick, Deborah	Bethany, West Virginia
Shannon, Newton	Wellsburg, West Virginia
Soly, Robert	Bethany, West Virginia
Stein, Jennifer	East Liverpool, Ohio
Taylor, Alanson	Bethany, West Virginia

TRANSFERS-UNCLASSIFIED

Armish, Kenneth	Irwin, Pennsylvania
Bernstein, Mark S.	New York, New York
Gardner, Albert M.	Wheeling, West Virginia
Hogue, Robert M.	St. Clairsville, Ohio
Lewis, James H.	Taylorstown, Pennsylvania
Myers, Steven Lewis	Steubenville, Ohio
Perelman, Francie C.	Wheeling, West Virginia
Reiter, Jeff	Wheeling, West Virginia
Thonen, Margaret L.	Wheeling, West Virginia
Trager, Patricia A.	West Field, New Jersey
Williams, David R.	Wheeling, West Virginia

OHIO VALLEY HOSPITAL NURSES

Adamovich, Linda	Amsterdam, Ohio
Barnes, Patricia	Steubenville, Ohio
Bernard, Kathleen	Wintersville, Ohio
Bonaventure, Sharon	Steubenville, Ohio
Carducci, Anna	Steubenville, Ohio
Cebula, Karen	Weirton, West Virginia
Crawford, Wilma	Bloomington, Ohio
Feist, Jo Ann	Steubenville, Ohio
Genetta, Patricia	McDonald, Ohio
Hobson, Donna	Mingo Junction, Ohio
Hutchins, Virginia	Wellsburg, West Virginia
Knuchel, Darlene	Weirton, West Virginia
Kolozie, Karen	Steubenville, Ohio
Krivenko, Jo Ann	St. Clairsville, Ohio

Laughlin, Linda	Wellsville, Ohio
Marsh, Susan	Rayland, Ohio
McKnight, Vicki Jo	Bucyrus, Ohio
Mowery, Marsha	Maynard, Ohio
Pevac, Linda	Steubenville, Ohio
Phalen, Ethel	Yorkville, Ohio
Sarno, Harriet	Steubenville, Ohio
Snyder, Connie	Colliers, West Virginia
Spragg, Janet	Adena, Ohio
Starr, Donita	Steubenville, Ohio
Thornton, Alice	Wellsville, Ohio
Van Kirk, Diane	Wintersville, Ohio
Wszeborowski, Josephine	Mingo Junction, Ohio
Whitmer, Marjean	Wintersville, Ohio
Willey, Patricia	Carrollton, Ohio
Williams, Anita	Wintersville, Ohio
Williams, Elaine	Weirton, West Virginia
Williams, Jodi	Lincoln Park, Michigan

ACADEMIC YEAR

1966-1967

ENROLLMENT BY CLASSES

	Full Time		Part Time		Total
	Men	Women	Men	Women	
Seniors	75	54	4	1	134
Juniors	150	65		3	218
Sophomores	198	129	1	1	330
Freshmen	207	139			346
Unclassified	43	14	6	42	105
Total	673	401	11	48	1133

ENROLLMENT BY STATES AND FOREIGN COUNTRIES

Alabama	1
BRAZIL	1
California	2
CANADA	1
Connecticut	49
Delaware	6
Florida	6
Georgia	1
GREECE	1
HONG KONG	1
Illinois	6
Indiana	18
IRAN	2
LEBANON	1
Maryland	20
Massachusetts	12
Michigan	10
Missouri	1
New Jersey	168
New York	134
North Carolina	2
Ohio	155
PANAMA	1
Pennsylvania	362
PUERTO RICA	2
Rhode Island	3
South Carolina	1
SPAIN	1
SWITZERLAND	2
Texas	4
Vermont	1
Virginia	9
Washington, D. C.	7
WEST AFRICA	1
West Virginia	141
Total	1133

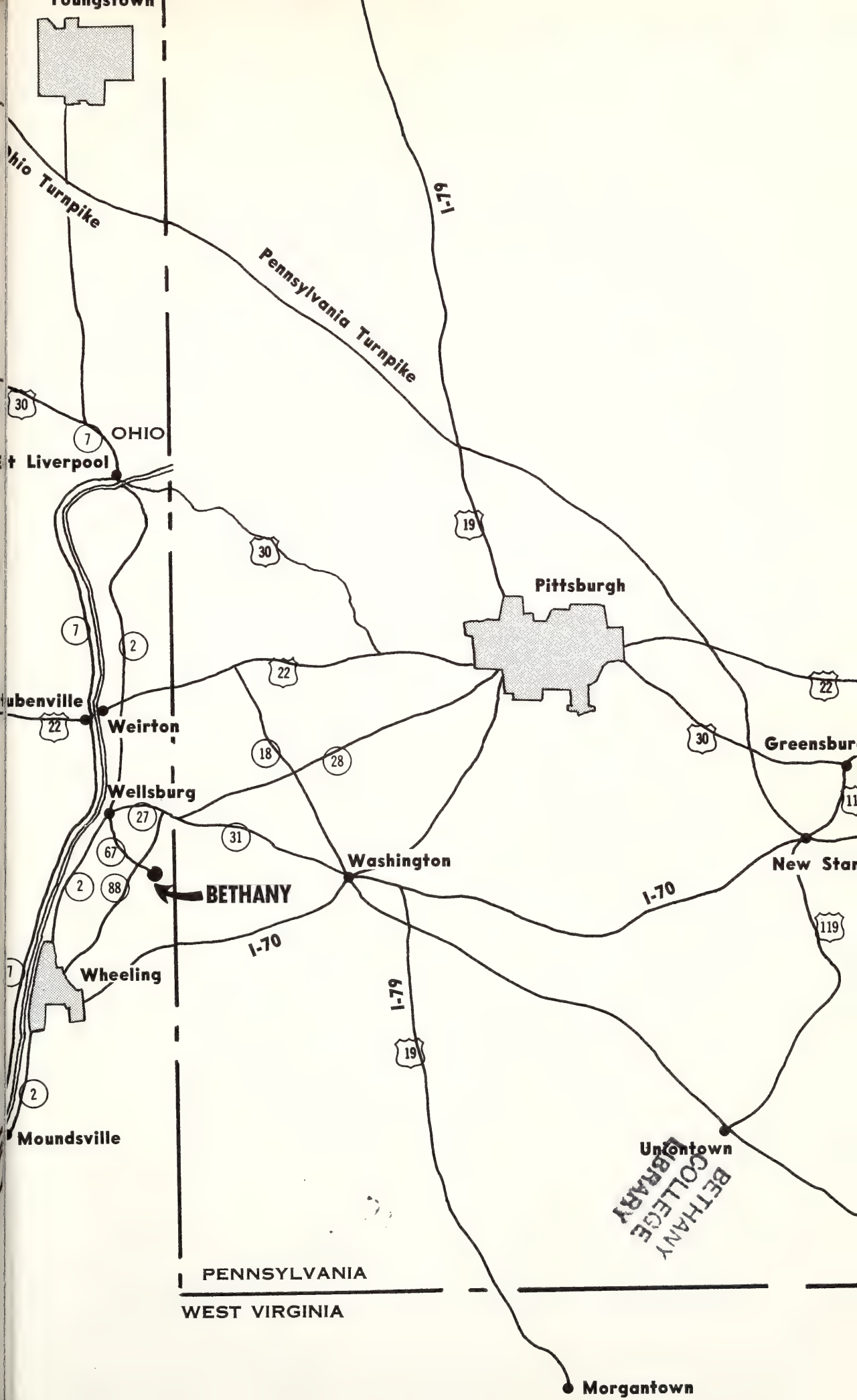
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